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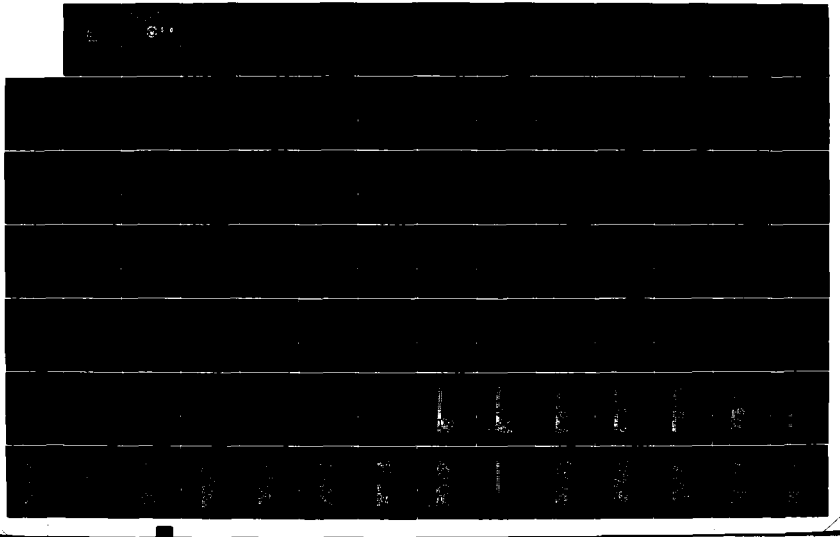

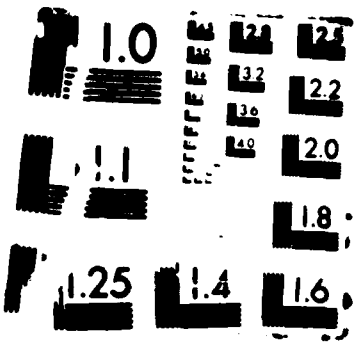
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NAVAL POSTGRADUATE SCHOOL

Monterey, California

THESIS

NAVY STOCK POINT LOCAL UNIQUE COMPUTER PROGRAMS; AN ANALYSIS FOR TRANSITION AND MANAGEMENT UNDER THE STOCK POINT ADP REPLACEMENT (SPAR) PROJECT

by

James A. Pearson

March 1987

Thesis Advisor: Barry A. Frew

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Computer Systems at Navy Stock Points are planned to be, in the near future, replaced with new systems being procured by the Stock Point ADP Replacement Project (SPAR). An important issue of the replacement will be the conversion of existing computer software to allow transition from the current hardware environment to the replacement hardware. Centrally developed and managed Uniform Automated Data Processing System for Stock Points (UADPS-SP) software will be the main thrust of the conversion effort. Equally important will be conversion of thousands of field activity developed application software programs referred to as "local uniques".

This thesis documents the scope of the local unique program situation by documenting numbers and characteristics of those local programs. It further provides an analysis of the SPAR conversion strategy and methodology in terms of conversion support and programming tools being procured

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Navy Stock Point Local Unique Computer Programs; an Analysis for Transition and Management Under the Stock Point ADP Replacement (SPAR) Project

by

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Submitted in partial fulfillment of the requirements for the degree of

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ABSTRACT

Computer Systems at Navy Stock Points are planned to be, in the near future, replaced with new systems being procured by the Stock Point ADP Replacement Project (SPAR). An important issue of the replacement will be the conversion of existing computer software to allow transition from the current hardware environment to the replacement hardware. Centrally developed and managed Uniform Automated Data Processing System for Stock Points (UADPS-SP) software will be the main thrust of the conversion effort. Equally important will be conversion of thousands of field activity developed application software programs referred to as "local uniques".

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I. INTRODUCTION

The Naval Supply Systems Command (NAVSUPSYSCOM) is undertaking a project to replace aging computer systems at Naval Supply Centers and other locations where the Uniform Automated Data Processing System for Stock Points (UADPS-SP) has been implemented. UADPS-SP is a self contained, integrated system of computer programs used to perform supply and financial management functions at these sites. UADPS-SP programs are centrally developed and maintained by the Navy Fleet Material Support Office (FMSO) in Mechanicsburg, Pennsylvania . Over the years, individual Stock Point sites have developed local unique programs, hereafter referred to as local programs, to perform functions that were either lacking in UADPS-SP or to augment or tailor the way UADPS-SP functioned due to site specific operating requirements. NAVSUP has conservatively estimated the number of local programs to be in the thousands [Ref. 1: p. 1-1]. NAVSUP is planning to be replace the computer hardware and software for UADPS-SP with the Stock Point ADP Replacement Project (SPAR). Standard UADPS-SP programs will be converted to run on the new hardware. Selected local programs will be converted but overall local program conversion and policy issues are less clear and are the subject of this thesis.

This thesis will explore the local program situation at stock points and the author will attempt to answer the following questions. What is the size and scope of the local program "problem"? How many local programs exist at each site? What do the programs functionally accomplish and do commonalities exist between local programs at various Stock Point sites? Does SPAR provide the capability to transition functions performed by local programs in the current environment to the new SPAR environment? Is the SPAR local program conversion strategy sufficiently comprehensive to meet the needs and requirements of the stock point sites or does it depend too heavily on technology dependent issues such as fourth generation programming languages? How are local programs managed at both the field activity and headquarters level? Are adequate management policies and controls in place to properly manage and sufficiently account for the large investment in field generated local programs?

To adequately answer these questions and put them in the proper perspective, it is first necessary to gain some understanding of the UADPS-SP environment. Chapter II is a very brief history of UADPS-SP, and describes current/future functionality and changes. Chapter III documents local program inventories at stock points and provides analysis on program functionality/commonality. Chapter IV documents and discusses SPAR conversion strategy and other conversion

alternatives, specifically Fourth generation programming languages. Chapter V discusses local unique program management control at the field level, headquarters level and within other Navy/DOD Departments. Chapter VI discusses conclusions and recommendations.

This thesis is intentionally more pragmatic than theoretical. No new theory or technology will be introduced and most issues or concepts discussed in this thesis are established in current computer and management literature. Rather, these concepts are simply brought to bear on a real-life problem which has gone unaddressed for the most part. Every effort is made to focus on the problem, without obscuring key issues with unwarranted detail.

II. THE UADPS-SP ENVIRONMENT

A. BACKGROUND INFORMATION

UADPS-SP is the standard DON system for supply and financial management at Stock Points. It is a proven system that, from its inception in 1963 to the present, has evolved and adapted to meet the changing needs of Navy Supply in support of the Fleet. Initially developed in application modules by the various Stock Point sites, it is, today centrally maintained and managed by the Navy Fleet Material Support Office. [Ref. 2: p. 2-1]

UADPS-SP currently runs on Burroughs Medium System computers, primarily the B4800 and B4900. It is a multi-programmable, file oriented system that operates in the batch mode. While, from the users perspective the system appears to be an on-line, interactive system, it is actually running batch through a time and volume scheduling algorithm developed by the Navy. A flat file structure is utilized and access to the data base is largely through a Block Random Access Method (BRAM). BRAM is an access method developed by FMSO solely for use by UADPS-SP. Burroughs MCP (Master Control Program) is the operating system in use and has been extensively modified by the Navy.

B. UADPS-SP ORGANIZATION

UADPS-SP is structured in such a manner that the data processing actions which take place in support of supply operations at the Stock Point sites can be related to the functions which are supported within the activity. The structure is multi-leveled, consisting of system, application, operation and program levels. The system level covers the entire spectrum of work performed at a Stock Point. Application is the highest level of interface between the functions performed at a stock point and the UADPS-SP system. Applications are those data processing actions which supplement the actions necessary to carry out a given function. Operations are subsets of the application level and consist of those functions required to be run to provide products under a given application. Programs are ordered sets of statements and routines, which, when executed perform operations. [Ref. 2: p. 3-1]

UADPS-SP applications store and retrieve information to/from defined file systems. Major categories of files within UADPS-SP include Supply (random & sequential), Financial (random & sequential), Payroll/Personnel, Modified UADPS, and Special Project. Each major file category has numerous files associated with it. [Ref. 2: p. 4-3]

This research will center primarily around the applications and how local programs relate functionally. The major applications of UADPS-SP are listed in Table 1.

Actual file usage by application is not important for this thesis and will not be discussed.

TABLE I

UADPS-SP APPLICATIONS

Category	Application	Description
Supply	A	Customer Information
	B	Receipt Processing
	C	Demand Processing
	D	Inventory Control
	H	Management Information
	I	Quality Control
	M	Excess/Disposal Proc.
	P	Record Maintenance
Financial	E	Fin. Inventory Control
	F	Stores Accounting
	G	Cost, Allotment & Appropriation Acct.
	K	Payroll & Leave Acct.
	L	Payday Processing
	Z	Personnel Accounting
Specialized Support	N	Automated Ready Supply Stores
	R	Repairables Management
	J	Transportation
	Q	Purchase Management
	U	Data Processing Util.

C. THE CURRENT STATE OF UADPS-SP

UADPS-SP continues to provide stock point sites with a system to process the complex supply and financial transactions they deal with. It has adapted over the years as changes have occurred to the environment and methods of

doing business. However, because of the many features added to the system over the years, it no longer provides an integrated supply and financial system that satisfies the needs of the user community which also grew over the years in numbers and diversity. To overcome this deficiency, the standard system has been supplemented with thousands of local programs throughout the user community, to satisfy site specific requirements [Ref. 1: p. 1-1].

Burroughs hardware systems have been upgraded over the years to include peripheral and CPU replacement. Even with the recent installation of B4900 processors at some sites, equipment technology is still not state-of-the-art. Some sites have capacity problems and the increased processing capacity/speed of the B4900 is only a temporary fix. The B4900 is the top of the medium system line and further expansion to large scale systems is not possible due largely to software incompatibilities. Incompatibility occurs in both system and application software due primarily to operating system changes, file access techniques and varying versions of COBOL. [Ref: 1, p. 1-1 - 2-6]

To resolve these problems and to allow for future growth and expansion of UADPS-SP, NAVSUP has undertaken the SPAR Project. SPAR is currently in the solicitation phase of a procurement for hardware, software and associated services for 42 Stock Point sites. SPAR will be implemented in two phases. The first phase will be a conversion from Burroughs

to "Brand SPAR" hardware. Approximately six sites will have the new SPAR hardware installed. These sites will then run current UADPS-SP software, converted to run in the new hardware environment. Under this scenario, selected stock point sites which are currently running close to system saturation will receive relief. At some later point in time, the modernization phase will commence. Under modernization, UADPS-SP will be completely redesigned to take advantage of current hardware and software technology and modified to reflect the changing environment of stock point operations. The remaining sites will transition to the modernized system, including hardware, as will the originally converted sites. [Ref. 1: p. 1-1 - 2-6]

Of importance to this thesis is the software conversion effort in connection with conversion. The government will procure software conversion services in two separate phases. In the C1 phase, FMSO managed UADPS-SP programs and selected Stock Point local programs will be documented for conversion. This effort will include current software testing, test data generation, package assembly, work package library services, host site training and conversion complexity analysis. This completed package will form the basis for solicitation of the C2 phase. In the C2 phase, actual conversion of programs will occur. The inventory of programs for C1 conversion consists of approximately one-third standard programs and two-thirds local programs.

III. ANALYSIS OF LOCAL PROGRAMS

A. PROBLEM OVERVIEW

The management of local programs has been perceived as a problem at the headquarters level for a number of years. The author first became acquainted with local programs during a headquarters tour in 1981. From the headquarters perspective, local uniques are largely an unknown quantity. They are certainly known to exist but a shroud of mystery surrounds the quantity and functionality of local programs in the field. This chapter will provide an insight into the local program inventory and its functionality. Also discussed will be C1/C2 local program submission and commonality found between programs at the various sites.

B. RESEARCH SCOPE AND METHODOLOGY

Local programs can be found at nearly all of the UADPS-SP sites. This analysis will center on the NAVSUP controlled CONUS NSC's. The following sites are included in this analysis: NSC Norfolk, NSC Charleston, NSC San Diego, NSC Oakland, NSC Pearl Harbor and NSC Puget Sound. These six NSC's represent the major users of local programs in terms of quantity of programs although a significant number exist at the WESTPAC Naval Supply Depots. Local programs exist at NSC Jacksonville and NSC Pensacola but were not included in

this analysis due to the fact that their computer services are currently provided by NARDAC activities not under the control of NAVSUP.

To begin research, field visits were made to NSC Oakland, NAVSUP, FMSO and NSC Norfolk. Interviews were conducted at the NSC's, primarily with Code 61 programming personnel, to solicit facts, thoughts and opinions with regard to local programs. Notes were taken during the interviews to document the information. Local program listings were obtained with application/functionality issues discussed. Visits to FMSO and NAVSUP headquarters were used primarily to discuss management issues and research direction. Telephone conversations with the remaining NSC's were conducted and program listings solicited.

C. THE NATURE OF LOCAL PROGRAMS

Local programs are those developed locally to provide an individual UADPS-SP site with a specific data processing capability. Two reasons were most often cited by field activities for developing local programs: 1) Standard UADPS-SP programs will not perform "peculiar" functions required by the site and 2) due to other priorities, the CDA is unable to respond to single site programming requests for unique requirements. Sites indicate that since UADPS-SP code may not be modified, local programs have proliferated. Most sites agree that there are basically three reasons for requiring these "peculiar" functions: 1) to provide unique

interfaces to other equipment/systems such as On-line Autodin, 2) to accomplish unique environmental requirements such as a requisition referral program which varies at each site, and last but most importantly 3) to provide "customer service" by developing special reports or scans of the data base for management information retrieval purposes.

Greater than 99% of local programs are written in COBOL 68 while the remainder are written in assembly language. No other high level programming languages are known to be in use. NSC's were asked to provide data on lines of code if the information was readily available. NSC Norfolk and NSC Oakland were able to provide good sizing data. NSC Norfolk reported 339 programs with a total of 868,483 lines of code for a mean of 2562 lines per program. NSC Oakland reported 312 programs with 726,916 lines of code for a mean of 2329 lines per program. Variance was not calculated on either mean. A majority of local programs are complex and have a high level of programming difficulty in that they access multiple files and use sophisticated routines to extract information.

D. LOCAL PROGRAM FUNCTIONALITY

Determining the functionality of local programs was approached from two different perspectives. First, programs were cataloged by the UADPS-SP application they process against. UADPS-SP applications are listed in Table I.

Application information was provided by the individual sites so compilation of statistics was all that was necessary. Second, programs were categorized by the function they perform. Local program data were reviewed and functional categories established as shown in Table II. This is a good place to point out that functionality in this thesis was determined from the noun name given in local program documentation. Programs were not physically reviewed nor were local site personnel involved in assigning programs to functional categories. The author found, during research, that five different sites can give the same program five different names. Naming conventions vary greatly from site to site and therefore a margin of error exists. An explanation of the categories follows below.

TABLE II

LOCAL PROGRAM FUNCTIONALITY CATEGORIES

Category	Description
1	System Utilities
2	Application Utilities
3	Sort/Merge/Compare
4	Report Generation
5	Edit/Format/Validate
6	File Scan/Analysis
7	Printed Output
8	File Update
9	Other or unknown
0	Application Processing

System utilities are programs that provide commonly needed services at the system level and include such

functions as tape to card conversion or system load routines. Application Utilities are the same as system utilities except they perform at the application level and accomplish such functions as program data entry routines and program screen generation. Sort/Merge/Compare is matching or ordering data into predetermined patterns and may include a printed listing of the manipulated data. Report Generation includes uniquely generated and formated reports used for general management review and other application products. Edit/Format/Validate is self explanatory. File Scan/Analysis is a data retrieval function whereby the MSIR is scanned for a predetermined selection criteria. Records are selected, ordered and printed. Printed Output includes output of listings, labels, paper tape, punched cards or microfiche products. File Update includes data base update, maintenance, creation and purge. Other or Unknown includes programs which fit none of the above but primarily consists of programs identified by sites but not tied to specific applications. Application Processing/Interface programs are those that perform a stand-alone application against UADPS-SP files or an independent process such as Integrated Logistics Operations (ILO) processing at NSC Oakland.

A database of local programs was created using dbase III and is listed in the Appendix. Information is listed in program number sequence by activity.

E. DATA PRESENTATION

Summarized data will be presented in this section. It will first be displayed in a summarized format for all six sites and then broken down by individual site. Raw numbers will be shown where necessary and graphs provided to display data.

1. Overall Data Summary

A total of 2209 programs were reported by the six NSC's. Figure 1 displays the distribution of local programs

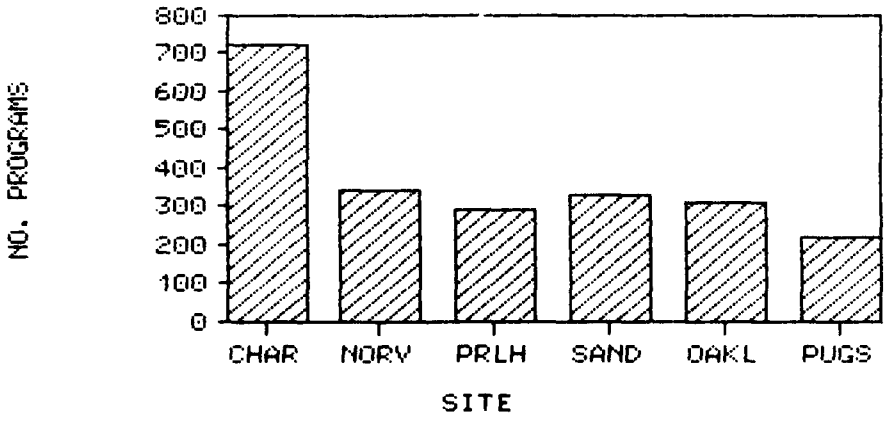


Figure 1. Local Programs by Site

by site. The numbers of programs by site (listed in same order as graph) are 722, 339, 288, 328, 312 and 300 respectively. The average number of local programs per site, exclusive of Charleston, is 313. Charleston at 722 is by far the largest user of local programs with 57% more programs than the average of the other five NSC's. Figure 2 illustrates the distribution of the total number of local

programs by UADPS-SP application. Local programs for supply management applications make up approximately 43% of the local programs. The largest single application within the

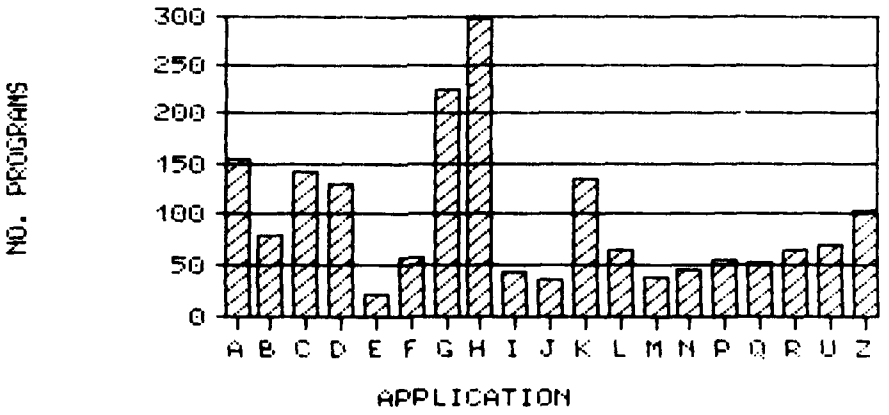


Figure 2. Local Programs by Application

supply management category is Application H, Management Information. Local programs for financial management make up nearly 28% of local programs with Application G, cost accounting, the largest at approximately 10%. The fact that management information type programs make up the largest percentage of of local programs is consistent with the site stated reasons for developing local uniques. Figure 3 illustrates the summary of applications based on functionality. A list of functions was provided in Table II. The greatest percentage of local programs perform report generation (19%), followed by file scan (17%) and printed output (17%). The large number of programs in category 9, other (unknown), are primarily programs that

were submitted to FMSO for C1/C2 contract conversion but not listed in program listings provided during data collection for this thesis. Consequently, while program number is

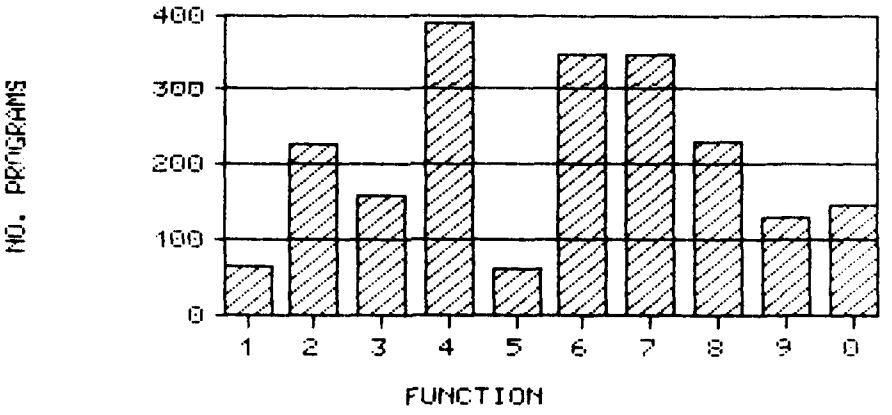


Figure 3. Local Programs by Function

known, the title, and therefore the functionality, is not known. Clarification is pending.

2. Data Summary by Site

In this section, application and function data are presented on an individual site basis. Applications and functions with the highest percentages of local programs are highlighted and the broad application areas noted. Presentation of corresponding graphical figures begins on page 29.

a. NSC Charleston Data Summary

NSC Charleston reported 529 local programs in connection with the data request for this thesis. While reviewing information provided to FMSO under the C1/C2

contract data call, an additional 193 programs were identified. The additional programs were listed by program number only with no descriptive or application data available. Consequently, the additional programs are not reflected in summarized application or function data graphs. Figure 4 illustrates the distribution of local programs by UADPS-SP application. Supply applications make up slightly more than 61% of the local programs with applications H and D the highest percentages. Financial application G has a large number of local programs but overall financial applications make up only about 20% of the total programs. Figure 5 illustrates the distribution of local programs by functionality. File Scan/Analysis and Report Generation type programs are the largest categories of functions comprising approximately 21% and 24% respectively. Printed Output and File Output are the next largest categories.

b. NSC Norfolk Data Summary

NSC Norfolk reported 339 local programs. Figure 6 illustrates the distribution of local programs by UADPS-SP application. Here too, supply applications make up the largest group of local programs with slightly more than 50%. Application H, Management Information is the largest single application within this category and is 17% of the total. Financial applications are 32% of the total with applications G and Z comprising well over half of the financial programs. Figure 7 illustrates the distribution

of local programs by function. File Scan/Analysis and Report Generation type programs are the largest categories of functions comprising approximately 25% & 19% respectively. Printed output and file update functions, along with application utilities make up the bulk of remaining programs.

c. NSC Pearl Harbor Data Summary

NSC Pearl Harbor reported 288 local unique programs. Figure 8 illustrates the distribution of local programs by UADPS-SP application. As with the two previous NSC's discussed, Application H, Management Information is the largest single application in the supply management category although unlike the previous two, this is not significantly larger than the financial management category. Supply management programs comprise 44% of the total local programs. Financial management programs, on the other hand, comprise 43% of the total programs but here the largest group of programs is Application L, Payroll and Leave Accounting followed by Cost Accounting. Figure 9 illustrates the distribution of local programs by function. Report generation at 23% of the total programs is the largest functional category.

d. NSC San Diego Data Summary

NSC San Diego reported 328 local programs. Figure 10 illustrates the distribution of local programs by UADPS-SP application. The largest single local application

at San Diego is Application U, Data Processing Utilities. Supply management applications comprise 39% of the total local programs with the largest in the category being Application C, Demand Processing. Management information type programs are among the applications with the fewest number of programs. Financial management applications comprise 29% of the total number of programs with application G followed closely by K as the applications with the largest numbers of programs. Figure 11 illustrates the distribution of local programs by function. Report Generation is the largest functional area with 19% of the programs. Printed output ranked second with nearly 18%, followed as expected by Application Utilities at 17% of the total number of programs.

e. NSC Oakland Data Summary

NSC Oakland reported 312 local programs. Figure 12 illustrates the distribution of local programs by UADPS-SP application. Contrary to the situation at the other NSC's, NSC Oakland has more programs in the financial management category than supply management category. Financial management programs comprise 42% of the local programs with the largest number of programs supporting Application K, Payroll Accounting, followed closely by Application G, Cost Accounting. Supply management programs account for 24% of the programs with the largest number of programs supporting Application H, Management Information.

21% of NSC Oakland's local programs support Integrated Logistics Overhaul (ILO). ILO programs are unique to NSC Oakland. NSC Oakland provides ILO support to ships undergoing overhaul on both coasts. ILO programs are not included in Figure 12. Figure 13 illustrates the distribution of local programs by function. Printed Output at 25% of the total programs is the largest function category. Application Processing is the second largest number of programs and includes not only ILO programs but a tape library system and NISTARS programs.

f. NSC Puget Sound Data Summary

NSC Puget Sound reported 300 local programs. Figure 14 illustrates the distribution of local programs by UADPS-SP application. The largest single local application at Puget Sound is Application A, Customer Information. Supply management applications comprise 39% of the total local programs with the largest in the category again being Application A. Application H is the second largest in the category and the remaining applications form a very small percentage of the total. Financial management applications comprise 16% of the total number of programs with application G as the application with the largest number of programs. Figure 15 illustrates the distribution of local programs by function. Printed output is the largest functional area with 18% of the programs. Report generation ranked second with 17% of the total number of programs.

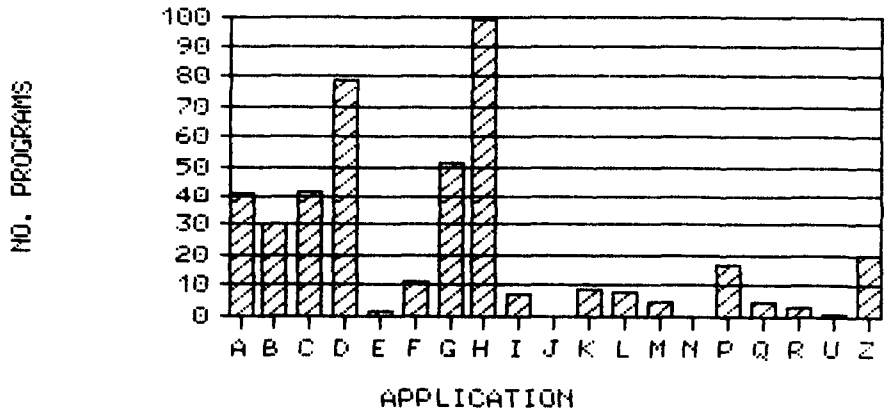


Figure 4. NSC Charleston Local Programs by UADPS-SP Application

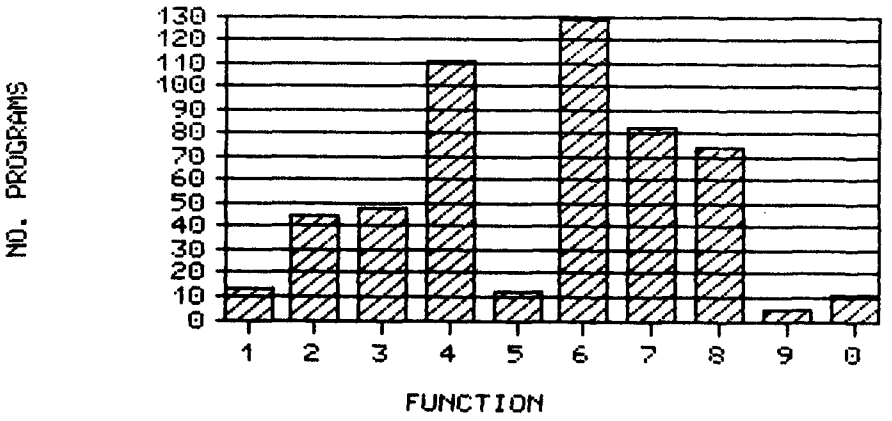


Figure 5. NSC Charleston Local Programs by Function

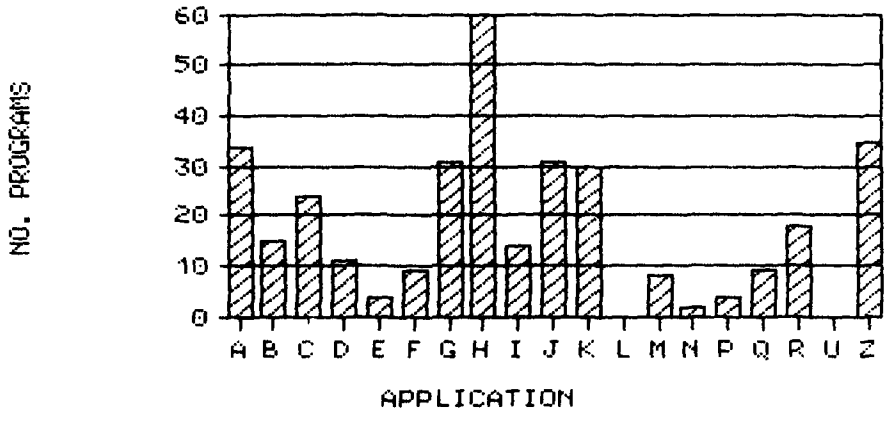


Figure 6. NSC Norfolk Local Programs by UADPS-SP Application

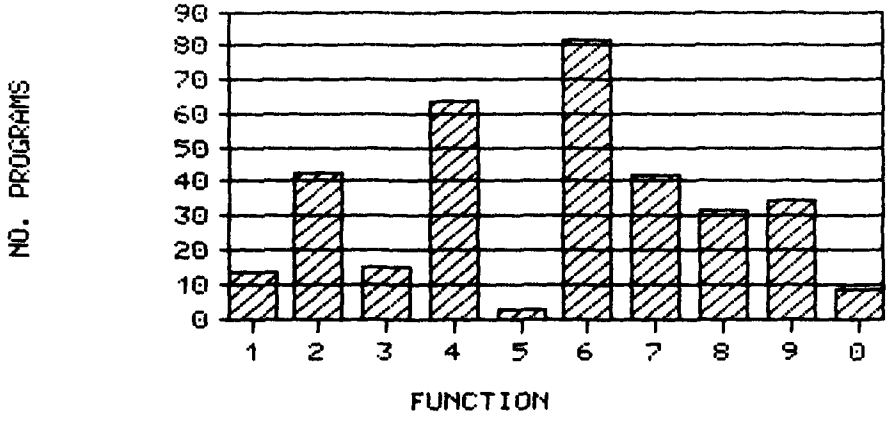


Figure 7. NSC Norfolk Local Programs by Function

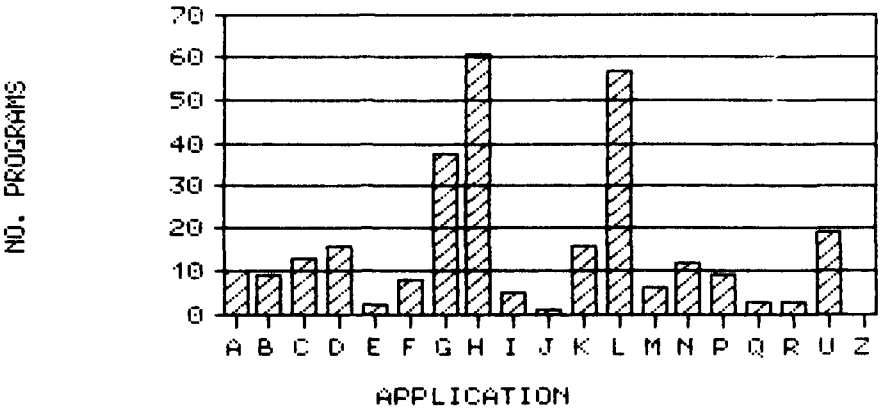


Figure 8. NSC Pearl Harbor Local Programs by UADPS-SP Application

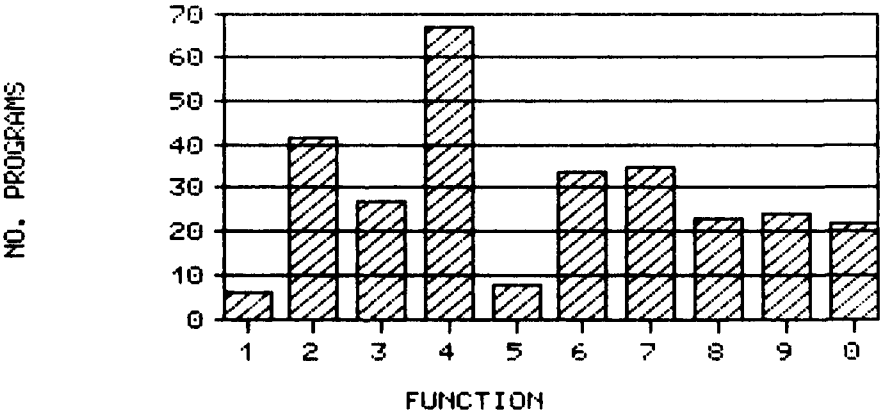


Figure 9. NSC Pearl Harbor Local Programs by Function

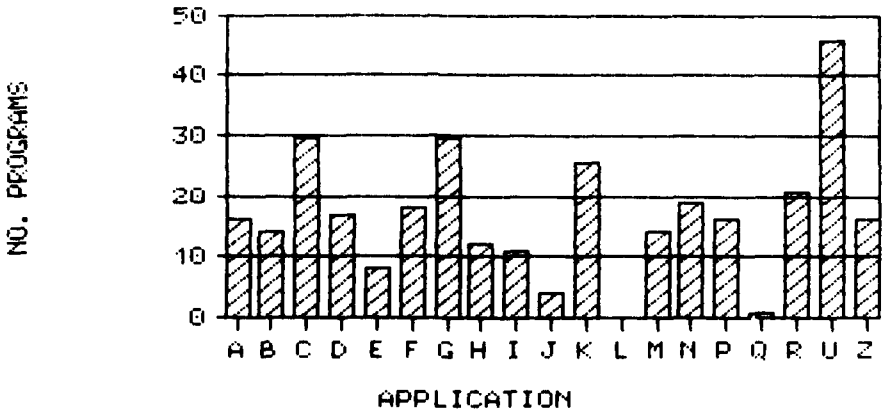


Figure 10. NSC San Diego Local Programs by UADPS-SP Application

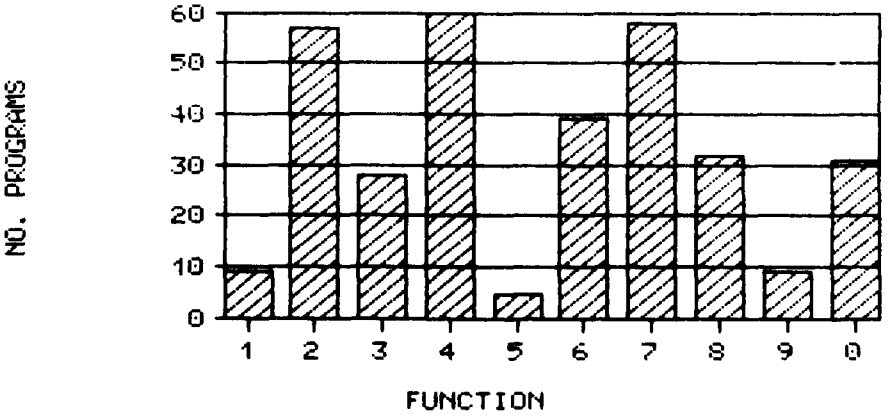


Figure 11. NSC San Diego Local Programs by Function

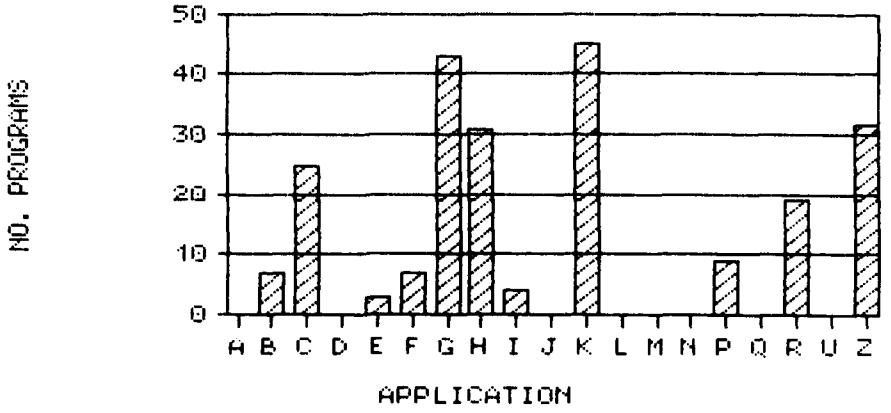


Figure 12. NSC Oakland Local Programs by UADPS-SP Application

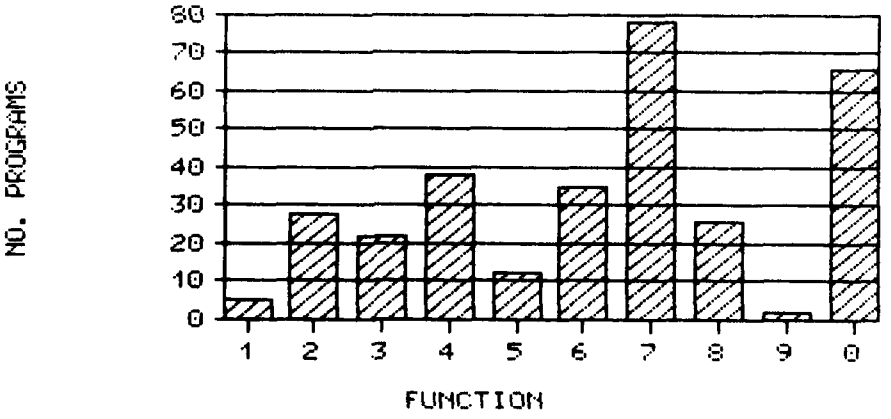


Figure 13. NSC Oakland Local Programs by Function

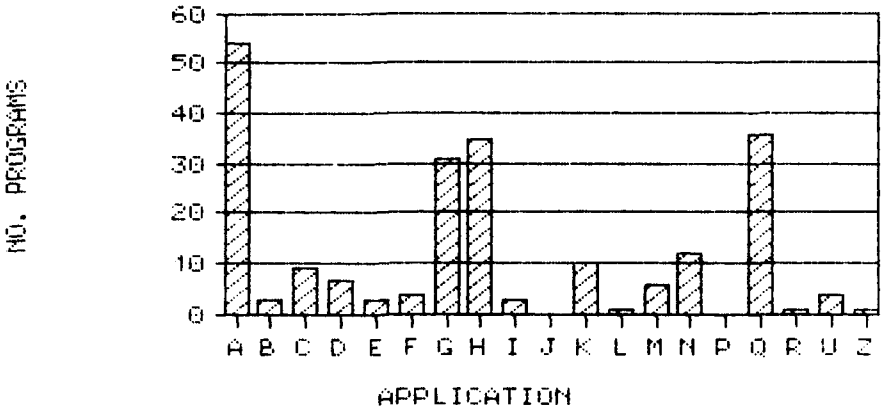


Figure 14. NSC Puget Sound Local Programs by UADPS-SP Application

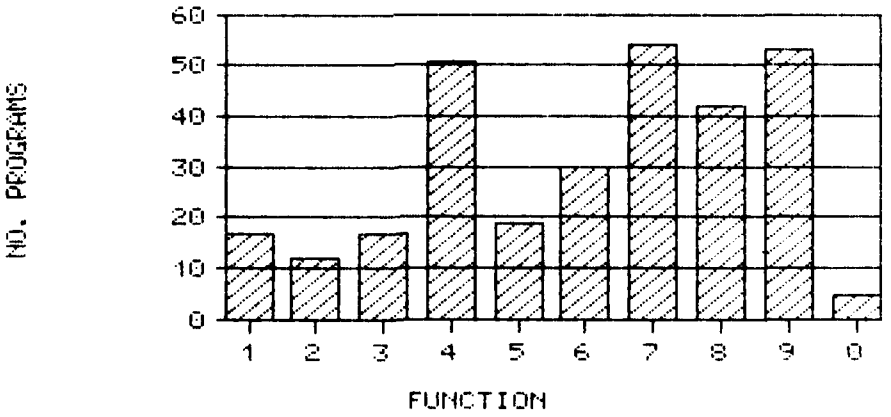


Figure 15. NSC Puget Sound Local Programs by Function

F. LOCAL PROGRAM DATA ANALYSIS

1. Local Program Functionality.

Table III lists software capabilities expected to be procured with SPAR. The list includes a wide variety of utility, language (procedural and non-procedural), and data management software.

TABLE III

SOFTWARE CAPABILITIES EXPECTED IN SPAR

Password Security System
Tape Library Management
Software Library Management
Sort/Merge
Text Editing
Procedural Language Processors
Disk File Management
Output Management
Test Data Generator
Query Language
Report Generator
Fourth Generation Language
Logging and Accounting
Performance Monitoring
Data Entry and Validation
Scheduler
Project Tracking
Statistical/Mathematical
Simulation Language

[Ref. 5: p. C70-79]

It is apparent, from comparing the list in table III with functions compiled in this thesis, that a good fit exists between existing program functionality and SPAR procured capability. Again, it should be pointed out that functionality in this thesis was determined from the noun

name given in local program documentation. Programs were not physically reviewed nor were local site personnel involved in assigning programs to functional categories. Therefore, it is impossible to match programs with SPAR capability on a one-for-one basis and a margin for error exists.

In general it appears that functions performed by local programs can be accomplished with SPAR capabilities. There are of course exceptions to this. System/application utilities, most file update programs, unique stand-alone applications or complicated existing COBOL routines almost assuredly require conversion.

2. Local Program Applications

Interpretation of local program application data statistics is more difficult to perform than was functional data interpretation. Attempting to compare, graph and display aggregate data for nineteen applications, spread over six sites, would be unwieldy at best. Several observations, however, can be made.

Over the last few years, stock points have received increased visibility with regard to management of financial and inventory assets. It follows, then, that applications which monitor these areas would probably receive more emphasis, and in fact they have. Figure 2 displayed overall application trends. But that chart does not explain the wide differences in local application development that exist

within the same application at different sites. For instance, NSC Charleston has nearly five times more programs in Application D than any other site. NSC San Diego has over twice as many Application U programs as the next closest site and as much as forty times more than half the sites. The point is, there are inconsistencies with the distribution of applications. Many sites have zero programs in an application while the remaining sites have large numbers of programs. There is no clear trend between applications either. A site that has zero programs in one application may have more than every other site in a different application.

Is NSC Charleston more efficient in inventory control because they have five times as many Application D programs? No, probably not. What this really points to is the fact that different sites have different managerial emphasis and certainly different customer demands. This application information may be helpful in showing management how their local programming resources are being utilized, or not utilized, to solve their site specific managerial problems.

This application data has little or no impact on the SPAR procurement or software conversion. However, it may be saying something in terms of missing functionality in the UADPS-SP system. Applications that have a large number of local programs should be analyzed from the system perspective. Certainly these programs are good candidates

for UADPS modernization analysts to review and ensure that demographics and local program capabilities are considered in the modernized system.

G. LOCAL PROGRAM C1/C2 CONVERSION CONTRACT

As discussed in Chapter II, UADPS-SP sites submitted listings of programs requiring conversion to FMSO for inclusion in the SPAR C1/C2 software conversion contract. Data provided for this thesis was compared with data provided under the FMSO data call. Figure 16 displays the functionality of programs submitted for conversion. Again a block of 193 NSC Charleston programs are not included in the graph. The largest number of programs submitted were in the report generation function (17%). The remaining most commonly submitted program functions were file scan (12%) and printed output (12%). The remainder were less than 10%. The large number of programs in function 0 are primarily the ILO programs from NSC Oakland. Figure 17 displays the functionality of programs NOT submitted for conversion. The three major areas of programs NOT submitted were in file scan, printed output and report generation. Table IV lists the raw data for each type of function, submitted or not submitted, by site. Numbers are shown in an xxx/xxx format. The first number represents the number of programs submitted and the second number represents number of programs NOT submitted.

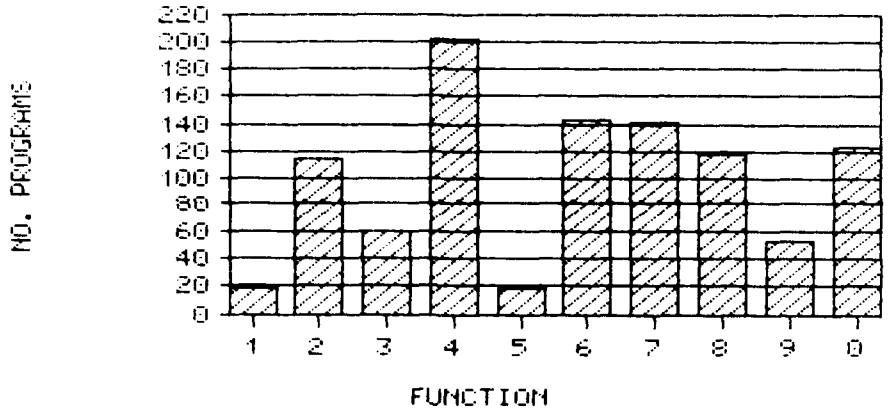


Figure 16. Summary of Local Programs Submitted for for C1/C2 Contract Conversion

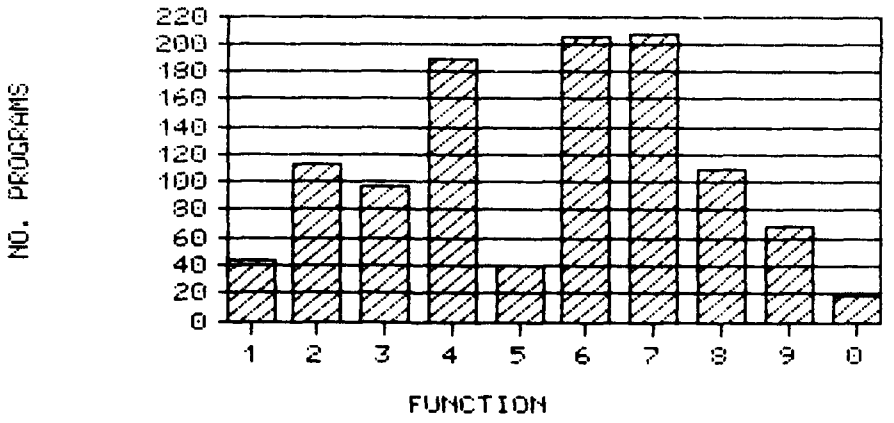


Figure 17. Summary of Local Programs NOT Submitted for C1/C2 Contract Conversion

Submission policy for C1/C2 conversion was promulgated by [Ref. 4]. Basically, local programs mission essential or operationally critical to the host or corresponding

TABLE IV

SUMMARY OF LOCAL PROGRAMS SUBMITTED FOR C1/C2 CONVERSION BY SITE/FUNCTION

	SITE					
	CHAR	NORV	PRLH	SAND	OAKL	PUGS
-- FUNCTION --						
1 System Util.	2/12	13/1	1/5	2/7	0/5	2/15
2 Appl. Util.	17/2	33/1	19/23	46/11	0/28	1/13
3 Sort/Merge..	18/30	12/3	4/23	26/2	0/22	0/17
4 Report Gen.	65/46	48/16	33/34	50/10	0/38	6/45
5 Edit/Format..	6/7	3/0	6/2	3/2	0/12	1/18
6 File Scan	44/85	42/40	17/17	37/2	0/35	3/27
7 Print Output	43/40	28/14	17/18	52/6	0/78	2/52
8 File Update..	41/33	29/3	15/8	24/8	0/26	10/32
9 Other (unk)	193/0	26/9	20/4	8/1	0/2	0/53
10 Application	9/3	9/0	16/6	25/6	63/3	3/2

(programs submitted/programs NOT submitted)

satellite sites are candidates for conversion. Programs not being considered for conversion are those that may be implemented using features being procured by SPAR.

With these type programs deleted, Figure 18 displays the percentage of SPAR capable programs (programs projected to be accomplishable with SPAR acquired software) submitted vs. total programs submitted. It appears that with the exception of NSC Oakland and NSC Puget Sound, all NSC's may have submitted some programs for conversion that could be performed with SPAR procured software systems.

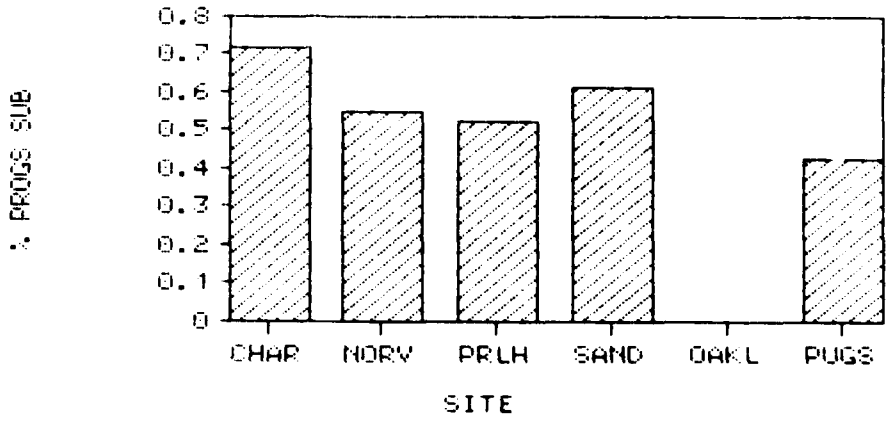


Figure 18. Percentage of SPAR Capable Programs Submitted vs. Total Programs Submitted for C1/C2 Contract Conversion

H. LOCAL PROGRAM COMMONALITY ISSUES

One of the issues surrounding local unique programs is commonality of programs between sites. Do the sites share programs or is there duplication of effort? Answering this question is much more difficult from outside the stock point arena than determining functionality.

There is some commonality. During interviews with the sites visited, programming personnel indicated one major

source of obtaining local programs is through various steering committees that meet annually to discuss supply, financial and environmental issues. Development personnel discuss programming initiatives and subsequent swapping of programs occurs. Beyond this method, however, there is no formal avenue for exchanging programs or information pertaining thereto.

An effort to determine the extent of local program commonality was undertaken in this thesis. Local programs in the data base were indexed and printed in noun name sequence by application. With the titles ordered, comparisons were made to find repeating titles within the program listings. The indexed list is not included within this thesis. Again, because of the variability of naming conventions this effort met with varied success. Even if a program was obtained from one NSC for use at another, the titles may be changed and the code may be modified to reflect the new environment.

Although exact title matches were not found, programs in some instances were able to be identified by group or general application. Table V presents the results of a manual scan of the indexed listing. Twenty-eight areas of probable application commonality are identified. Again, actual programs may or may not be the same. Areas with the largest concentration of commonality were in SERVMART processing, top customer reporting, AUTODIN processing,

TABLE V

AREAS OF PROBABLE LOCAL PROGRAM COMMONALITY

Application	Sites
POS Tracking/Reporting	NORV, SAND, OAKL, PUGS
Delayed Receipt Reporting	SAND, CHAR, PRLH
CRASP Functions/Reporting	NORV, CHAR, OAKL, PUGS
SERVMART Processing	NORV, CHAR, SAND, PRLH, PUGS
Top Customer Reporting	NORV, SAND, CHAR, OAKL, PUGS
ROD Preparation/Processing	PRLH, CHAR
Dues Validation	CHAR, OAKL, SAND
Receipt Reporting/Analysis	SAND, OAKL, NORV
AMHS Sorting	SAND, OAKL
AUTODIN Processing	OAKL, SAND, CHAS, NORV, PUGS
Provisions Processing	PRLH, SAND, NORV, CHAR, PUGS
Quick Pick	NORV, SAND
Referral Programs	All
Plant/Property Accounting	SAND, NORV, PRLH, CHAR
CHRIS Processing	SAND, OAKL, CHAR
Appl. G Consol Trans Ledger	SAND, PRLH
Appl. G Labor Exceptions	SAND, OAKL, PUGS
NAVELEX Trans. Processing	OAKL, NORV, CHAR
Demand History Reporting	CHAR, OAKL, NORV
Issue/Refusal/Receipt Stats	CHAR, SAND
Warehouse Refusal Reports	CHAR, OAKL
Inventory Adjustment Reports	NORV, PRLH, SAND
Savings Bond Processing	CHAR, NORV, SAND, PRLH
Health Benefit Reporting	PRLH, NORV
Payroll & Leave Accounting	All
ARSS Processing	SAND, PRLH, NORV
G-Condition Proc./Reporting	OAKL, SAND

provisions processing, CRASP functions/reporting and plant/property accounting. In reality there are probably more areas of commonality that were not detectable because of naming convention differences.

I. SUMMARY

Considerable ground was covered in this chapter discussing application, functionality, conversion and commonality issues. The issues and results seem clear in all areas except application. The large and sometimes dramatic difference in intra-application development between sites is puzzling. Can the large difference be attributed to coincidence, demographics or are there other factors involved? This would be an interesting subject for further study.

IV. LOCAL PROGRAM CONVERSION ALTERNATIVES

A. GENERAL OVERVIEW

Several alternatives are available to the individual UADPS-SP sites for conversion and/or transition of local programs to the SPAR environment. These include converting through the C1/C2 contract, converting at the site utilizing SPAR procured software functionality and not converting at all. In this chapter the alternatives will be discussed, with increased emphasis on conversion with SPAR procured software, especially in the area of 4TH generation programming languages.

B. THE CONVERSION CHOICES

Figure 19 graphically displays the mix of local programs at the Stock Point sites with regard to programs submitted for conversion versus programs not submitted for conversion. NSC Charleston and NSC Pearl Harbor submitted approximately half of their local programs for conversion. NSC Norfolk submitted over two-thirds of their local programs while NSC San Diego submitted over three-fourths of theirs. On the other hand, NSC Oakland submitted very few programs for conversion and NSC Puget Sound even fewer.

The approach taken for program conversion submission obviously varied from site to site. Program selection

criteria are not known for all the sites but during visits to NSC Norfolk and NSC Oakland, some insight was gained in this area.

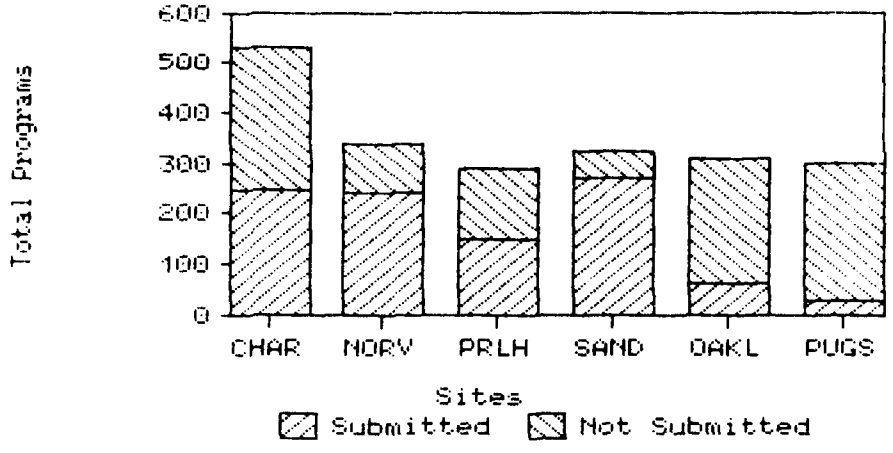


Figure 19. Local Programs Submitted for Conversion vs. Programs Not Submitted

NSC Norfolk systems development personnel chose which programs to convert based on user input and program usage. Since Norfolk is to be a conversion site (vice straight to a modernized site) they felt it necessary to get all mission essential programs converted and ready to perform business on day one of new system operation. So their strategy was primarily operational and not oriented toward new system capabilities.

NSC Oakland, on the other hand, submitted only their ILO programs which run independently of UADPS-SP. Their rationale was totally different than that of Norfolk. Part of the difference is that Oakland is not a conversion site

but rather will receive the modernized system at a later date. Second, they felt that much of their older local program inventory was poorly documented in the past and that it would take more effort to get "C1 ready" than it would for them to convert (or use new software products) as implementation approaches.

A third reason NSC Oakland did not convert most local programs is that many were one-time programs written to perform a query or solve a problem which no longer exists. This is a condition that exists at many of the Stock Points and similarly those sites did not convert those types of programs.

So at NSC Oakland, a wait and see approach will be used. Prior to SPAR implementation, they will perform in-house conversion of required programs or replace existing local programs with a software solution provided by SPAR. This approach provides both flexibility and cost savings to the government. Only programs that are absolutely essential to operations will be converted in the C1/C2 effort, saving conversion dollars. Only programs that show usage will be converted for use in the modernized system.

As displayed in Figure 20, over fifty percent of the local programs at CONUS stock points were submitted for conversion on the C1/C2 contracts. The C1/C2 contract scenario was discussed briefly in Chapter II. In the final analysis, the reason sites opted for contractor conversion

of local programs was primarily economic. Scarce personnel and funding resources in the Code 61 programming shops are,

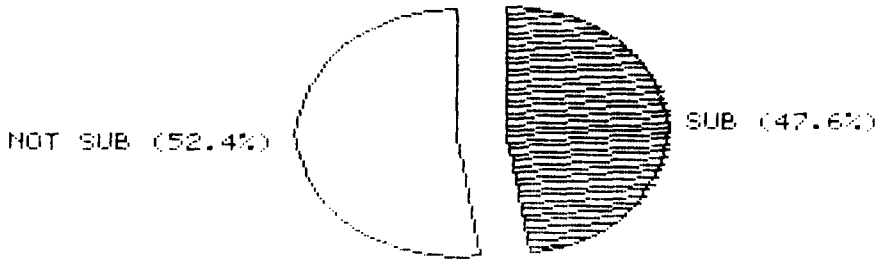


Figure 20. Total Programs Submitted for Conversion vs. Total Programs Not Submitted

in most cases, insufficient to take on both current programming effort and conversion simultaneously.

Programs submitted for conversion will be converted in the C2 phase by a yet to be determined contractor. The contractor will convert the programs to COBOL 85 and provide associated test, debug and documentation services. However, given that SPAR will procure powerful application and utility software, straight conversion to COBOL may not be the most economical or efficient method of conversion.

As outlined in Chapter III, many local programs may be convertible to SPAR hardware, in whole or in part, through the use of these acquired capabilities. For instance local programs that have complicated built in sorts could be modified and integrated during conversion to take advantage

of powerful sort routines available on the system. Another example is report generation. Many of the file scan and report type local programs written in COBOL might easily be written using a report generator acquired with SPAR. Certainly many of the programs submitted for COBOL conversion could easily be written using 4TH generation language capability also being procured with SPAR. So there are a number of ways that the scope of the COBOL conversion can probably be scaled down and conversion costs reduced. Of course, work on conversion could not commence until these software capabilities are contractually available and until a thorough analysis and categorization of non COBOL conversion candidates is developed.

C. THE 4TH GENERATION LANGUAGE ALTERNATIVE

As shown in Table III, the SPAR procurement will provide at least nineteen significant software tools to both increase programmer productivity and to reduce or eliminate some of the requirement for local programs, especially in the one-time report area. One of the most powerful software development tools of the current generation, one which will be procured by SPAR, is the 4TH Generation Programming Language (4GL). The 4GL has tremendous potential for improving efficiency and data availability to programmers, users and top management throughout the Naval Supply Centers. In this section, 4GL's will be briefly introduced,

advantages and disadvantages discussed and potential for use at the NSC's evaluated.

1. 4GL Definitions and Concepts.

Fourth generation languages in their simplest form are high level programming languages that provide programmers with the ability to develop highly complex computer programs and functions with fewer commands than traditional high level languages. Each instruction in a 4GL generates multiple instructions or functions to the machine. Depending on the individual language, machine implementation and of course the complexity of the program, 4GL's can create programs as much as 10 to 20 times smaller (in lines of code) than a comparable COBOL program. They fall into two primary categories: procedural or nonprocedural. Procedural 4GL's use conventional command constructs such as PRINT, DOWHILE, and NEXT to form a program structure. Nonprocedural 4GL's require that the program creator provide only the desired result and the language will create the required program to accomplish it. Program development is interactive in nearly all 4GL packages. That is, the programmer interacts with the language on-line, editing and checking syntax during program creation. Language execution can be performed by two methods depending on the language. First through an interpreted method where true source code is created and interpreted "on the fly" into machine code one line at a time during execution. The second method

is termed a "generator language" where code is written in 4GL, generated into COBOL code and subsequently compiled into object code. [Ref. 6: p. 15-20]

2. Advantages of 4GL.

Fourth generation languages are easy to use and add tremendous speed to the system development process. Because they are very high level languages, a relatively few number of instructions can perform functions requiring 10 to 20 times more instructions in commonly used third generation languages such as COBOL. Improved speed in the 4GL environment translates into vastly shortened system development time with corresponding reductions in resource allocation. Ease of use not only makes experienced programmers more productive but allows entry level programming personnel to contribute more quickly because of the reduced complexity and shortened learning curve of the language. Further, end users benefit from the simplified programming environment and have a powerful tool which allows them (not the programmers) to decide what management information is required and then obtain it through an easily developed program, avoiding the harsh technical realities of traditional programming. Programs written in 4GL are easy to customize or modify as required, thus life cycle maintenance, in terms of allocated time and resources, is greatly reduced. [Ref. 7: p. 10-11]

3. Disadvantages of 4GL.

The first disadvantage of 4GL is potential incompatibility with the database. This may or may not be a problem depending on the specific hardware and 4GL procured by SPAR. Many 4GL's must be tied to a vendors DBMS. If SPAR procures a combined 4GL and DBMS package then this shouldn't be a problem. However, if the DBMS is procured, but not implemented at the initial conversion sites, which it probably will not be, then the 4GL may not be useful until the modernized system is installed. Some 4GL's will, however, work in a non DBMS environment against sequential access method (SAM), or indexed sequential access method (ISAM) files. Again it depends on the product procured by SPAR and the program and file structure implemented on converted SPAR sites. Further complicating the database compatibility issue, some vendors provide the capability to down load data from a non-compatible master database into a 4GL database and reverse the process to update the master database. A high probability exists that this process will result in the master database being out of synchronization and ultimately the integrity of the master database will be questionable. [Ref 6: p. 10-11]

A second disadvantage associated with 4GL's is that of machine resource utilization. They have been branded as "CPU Hogs whom use too many CPU cycles as compared to COBOL." How many is too many and how does this compare to

COBOL? After scouring articles on the subject and talking to two companies that market 4GL products, the author found no documentation or information that would clear up this question. Fourth generation languages trade off CPU cycles to improve software development and maintenance productivity. As more 4GL applications are added to a system, response times vary widely and unpredictably [Ref. 8: p. 61].

There is agreement that in decision support system (DSS) type applications, where small numbers of users (say less than 50) are accessing management information with little or no update occurring, degradation seems to be minimal. But on transaction-intensive production systems such as inventory or financial control, the appetite for CPU cycles by 4GL's is voracious. As applications become more complex, COBOL gets more efficient, 4GL's less. Other application areas where 4GL CPU efficiency is obtained include database extraction and reporting, modeling, analysis or graphics. [Ref 9: p. 63]

Capacity planning in the 4GL environment is difficult at best. Especially in high volume, transaction intensive, on-line systems, the forecasting rules capacity planners use become less reliable as more 4GL based applications are used. The capacity issue is further clouded by the mix of simultaneous processing capabilities such as ad-hoc query, database update, and batch processes.

Even in systems where peak capacity loads appear to be within the capabilities of the hardware configurations, response-time degradation is not uncommon. [Ref 8: p. 61]

So in the final analysis, excessive CPU utilization by fourth generation programming languages becomes more of a management than hardware issue. The critical issue is not that a 4GL uses more or less CPU than its COBOL equivalent, but that it uses the CPU in a completely different pattern that trades short, intense bursts of computer power for the constant grinding away that the COBOL programs require. At the average stock point, the amount of computer capacity required is equal to the amount of capacity available plus 10%. Excess CPU capacity is nonexistent. The proper mix of programming languages must be derived and matched against available processing resources. Improvements in software development productivity through the use of 4GL's will mandate increased emphasis on all aspects of resource management. [Ref 10: p. 120]

4. The 4GL Environment at Stock Points.

When 4GL capability becomes available to end users at stock point sites, a whole new environment will evolve. Gone will be the days when managers are totally dependent on the DP shop for management information support. "End User Power" will have arrived. Along with this new power must come policies and procedures to deal with it. The long term success in managing the new environment will come from

well-publicized and vigorously supported policies that clearly outline the rules and responsibilities of all parties in that environment.

Of primary concern to environmental policy should be the management of data. Effectively manage the data and you have controlled the environment. Data management policy and standards should be developed for database design, creation of files and data element naming conventions. The mechanics of the 4GL may include features for incorporating these standards but they must be integrated into an overall management policy to be effective. [Ref. 10: p. 122]

Just as important as data integrity are the system and daily operation policies. First and foremost, users should be thoroughly trained prior to using 4GL's. The training program should include not only language and programming basics but testing concepts as well. Users should be trained to check for reasonableness before relying on 4GL program output to make management decisions. Users should be allowed, and in fact encouraged, to create 4GL programs for retrieval of management information from the master databases but should NEVER be allowed to develop 4GL application programs that modify or update databases. [Ref. 10: p. 124]

Obviously, roles within the stock point data processing departments will change significantly with the introduction of 4GL's. Even though COBOL will, at least

initially, still be the prime programming language, the introduction of 4GL will allow development personnel to be more productive in creating some application programs. Increased productivity will not, however, mean that excess capacity will be available in the System Development (Code 61) organizations. The role for some systems development personnel will shift from writing lines of code to that of customer service. A subset of Code 61 programmers and systems analysts should be evolved into a 4GL environment group. The group would be responsible for implementation of standards, policy and day to day operation of the 4GL. They would take the lead in training and advising users in 4GL methods and would be the point of contact for all 4GL matters. This will not be a trivial task. As users become better acquainted and confident with end user computing and discover more uses for this newly found capability, it will proliferate throughout the organization.

Two other issues that are vital for a successful 4GL environment are security and software maintenance. A separate thesis could be written on each of these subjects, but briefly, information within the 4GL environment should have the same degree of security as provided by the host. Most commercially available 4GL packages provide security safeguards within the 4GL that augment system software security features. In the area of software maintenance,

methods should be developed to document ownership of 4GL programs throughout the stock point and procedures in place for update of software as new 4GL versions are released.

V. MANAGEMENT OF LOCAL PROGRAMS

A. GENERAL OVERVIEW

This thesis has identified over two thousand local programs spread over six UADPS-SP sites. There are undoubtedly hundreds more local programs at the thirty plus remaining sites. This represents a tremendous financial investment in application software. Yet despite the size of of this investment, no formal organization exists to manage and control local programs at the headquarters level. Some organizational control exists at the individual sites, but the quality of the overall management varies from site to site. This chapter will first discuss the pros and cons of centralized management and control of local program development. Then an estimate of the local program dollar value will be established. Finally, a brief analysis of local program management at the individual sites will be provided. Management methodologies of two other unique software control organizations within DOD will be discussed and recommendations for a stock point-wide local program management system will be offered.

B. LOCAL PROGRAM MANAGEMENT ISSUES

Before the pros and cons of centralized local unique program management can be discussed, it's first necessary to

discuss the primary issue. Should local unique programs be allowed at the stock points? Yes. UADPS-SP in its current or modernized form is not, and will not be, all things to all stock point sites. Every stock point has its own character in terms of managerial style and emphasis. Each site also has a completely different customer mix and unique support requirements such as submarine support at Charleston and aviation support at Norfolk. All required applications for 42 sites cannot possibly be incorporated into one standard stock point processing system. Stock points must have the flexibility to create the necessary applications for support of their environment. The ultimate objective is to provide service to the fleet. Local programs provide a cost effective method of obtaining functionality to provide this service. To deny use of local programs would not only strip the local commanding officer of exercising his managerial prerogative but would ultimately erode the ability of the stock point to provide quality service to its customers.

This is not to say that local programs should be allowed to proliferate in a careless fashion. Uncontrolled local program development can result in unnecessary machine, personnel and financial resource expenditure. It can also cause the standard software system to remain unsupportive of system wide requirements. If individual sites develop support requirements through local programs, then system

demand for particular application functionality may go unnoticed and consequently remain unincorporated in UADPS.

Centralized management of local programs would first of all provide a method for comprehensively documenting the entire local program inventory. Program inventory information would be valuable for many reasons. Individual sites could access the inventory to search for application programs they require, thereby preventing redevelopment of an already existing program. Central design agency personnel would have the ability to pin point areas of inefficiency in UADPS by evaluating the types of applications individual sites are writing. Top level management would become more aware of the system wide local development effort and could use this to shape overall UADPS system policy. Additionally, top level management would get better insight of local program development with regard to the budgetary process and be able to provide expedient and factual information to fiscal and oversight agencies as required.

On the other hand, there are disadvantages to a centralized system of local program management. The primary drawback is that it requires increased personnel and material resources. It is costly to develop control systems and staff them with quality personnel. Central management would also increase system development lead time. Under such a system, individual sites would require

"approval" prior to commencing development and adding this extra steps would surely add some amount of time to the process. Further, individual sites would most probably resist change to such a system. The change would be viewed as an unnecessary oversight function that takes away independence of local system development practices.

C. THE SCOPE OF LOCAL PROGRAM INVESTMENT

It has been mentioned in two previous sections that NAVSUP has a large financial investment in local programs. While the value of the investment is not particularly important to SPAR implementation or conversion, it does put the size of the whole local program issue into perspective.

To estimate the value of local program investment, the COCOMO model, developed by Barry Boehm, was used [Ref. 10: p. 57-144]. Whether or not COCOMO exactly fits the stock point programming environment would require an in depth study and comparison of the model against the environment. The model does allow for fine tuning and is flexible in that it compensates for varied environmental development modes. Stock points most closely align with the COCOMO "Organic" mode. The organic mode is characterized by small development teams of between five and ten experienced programmer/analyst personnel, working in a highly familiar in-house environment. The model estimates effort in terms of man-months (MM) based on the single predictor variable of

number of deliverable lines of source instructions or code in thousands (KDSI).

The basic COCOMO formula for effort estimation in the organic mode is:

$$MM = 2.4(KDSI)^{1.05}$$

Given that NSC Norfolk has 868,483 lines of local program source code, it would take 2,923 man-months to develop this code from scratch. NSC Norfolk uses a labor rate of $25,748 per year, based on 2087 labor hours per year, to estimate system development costs. Using these numbers, a man-month equates to a cost of approximately $2146 per MM. This would set the replacement value of local programs (in today's dollars) at $6,272,758. A large sum indeed.

Lines of code were also received from NSC Oakland but no other sites. Applying the same formula to Oakland, and assuming labor rates to be the same, Oakland's investment is $5,204,050.

Extending this analysis one step further. Assume, based on lines of code observed at Norfolk and Oakland, that system wide, the average local program has approximately 2400 lines of code. The 2209 programs reported by the six stock points would have a total of 5,301,600 lines of code with a replacement value of just under forty-two million dollars.

Of course this quick analysis did not take into account that many of the programs, or parts of programs (such as

subroutines) may have been obtained from other programs or sources. It also did not recognize the use of canned copy and utility routines that may have been used in the development process. These factors obviously would reduce the scope of MM effort and therefore the dollar value. Even if you reduce the effort by as much as one-third, the value is still roughly twenty-eight million dollars, a sizable amount in any agency budget.

This investment presentation was not too terribly scientific nor was it intended to be. The thrust of this analysis is to point out that local programs are not a trivial piece of the stock point ADP management pie. They are a significant software investment and should be managed accordingly.

D. SITE MANAGEMENT OF LOCAL PROGRAMS

Before centralized management of local programs can even possibly be implemented, individual sites must have a similar management program in place. Standards and procedures must be in effect for submitting local program requests, review and approval of requests, tracking accepted jobs through the development process, and managing program assets over their life cycle.

NSC Norfolk is the only site of those surveyed for this thesis, where any significant amount of information on local program management organization was obtained. However, some

general statements about local program management at all six sites can be made based on observations noted during the data collection process. Some sites could not readily identify local programs. That is, data were available within the organization but not generally compiled into any single source or management listing. Many programs were identified by a number only with no nomenclature or application reference, indicating a lack of documentation on the application. At least two sites indicated that overall, documentation of their local programs was less than adequate and often limited to source code listings. In some cases the source code was not even available. One site indicated that some of the programs in the inventory would not even operate in today's environment because as new CDA provided system and application software releases were issued, concomitant maintenance was not not performed on affected local programs. These comments are not to suggest that stock points do not manage their local programs but rather that improvements in managerial emphasis might have a positive effect on the integrity of programs and efficiency of programming shops.

NSC Norfolk has a control system for managing internal local program requests. Other sites may have the same system but analysis was limited to the one site visited. Requests for local programs at NSC Norfolk are handled through the planning department. User requests for programs

are screened for applicability, cost benefit analysis performed and a detailed description of the proposed system, with associated inputs and outputs, is developed. This information is then transformed into the form of a Data System Request (DSR). DSR's are forwarded to the data processing department (DPD). DPD assigns the DSR number and places the request in the queue until programming resources are available. User program development priorities are established by planning and coordinated with DPD. NSC Norfolk has an automated tracking system for DSR's broken down by new system requests and continuing outstanding requests. Code 61 personnel feel that the tracking system and the local program request system in general are effective and adequately support local program development.

Providing the remaining sites have similar systems, then an adequate individual site management system for local programs probably exists.

E. OTHER CENTRALIZED LOCAL PROGRAM MANAGEMENT SYSTEMS

To better evaluate the approach NAVSUP should take to local program management, two other existing systems were evaluated. Those systems are the NAVDAC UNIQUE system and the unnamed DLA policy for management review of unique automated information systems (UAIS).

NAVDAC maintains a local program management system under the name of Uniform Query of Navy Computer Software (UNIQUE)

System. This system is prescribed for use by activities under the command of NAVDAC. New application software systems may be developed only after it has been determined that an existing application software system in the UNIQUE inventory cannot be used or economically modified to satisfy validated functional requirements. The UNIQUE inventory is used as a management tool to identify the availability of existing application software systems to satisfy functional requirements prior to developing new application software systems. [Ref. 12: p. 1-3]

The NAVDAC designated central manager is the Application Software Consulting Agent (ASCA), currently a collateral duty of NARDAC Pensacola. ASCA maintains the UNIQUE software database, provides statistics on UNIQUE usage, acts as a clearing house for unique software information and provides guidance to users for accessing the UNIQUE inventory. Individual NARDAC/NAVDAF activities are responsible, on an honor basis, for screening UNIQUE prior to development of new systems. As new applications are developed, individual activities are responsible for preparing an on-line application abstract providing pertinent information on the system. They are also responsible for modifying and deleting application abstracts when required.

The DLA UAIS policy is less complicated than the NAVDAC system and is straight to the point. All UAIS require

approval. UAIS with an expected development time of less than 100 man hours and no additional recurring computer time may be approved by the director of the field activity. All UAIS with development times greater than 100 man hours are approved at DLA Headquarters. These thresholds were established by DLA to ensure proper review and approval by management at the field activities and headquarters. The objective is to keep field activity, programmer/analyst resources to a minimum and to ensure that changes are cost effective prior to programming action. Additional computer run time is kept at a minimum to preclude saturation of computers. [Ref. 13: Encl. 2, p. 1]

F. CENTRALIZED LOCAL PROGRAM MANAGEMENT FOR STOCK POINTS

In light of the material presented in this chapter, the question becomes, should NAVSUP institute a management system for control of stock point local unique programs? The author believe the answer to be, it depends. First, it depends on whether the system would be cost effective. Would it cost more to implement than it would return in benefit and would NAVSUP allocate funds to establish the system. Second, would it be politically feasible? Directing NAVSUP controlled activities to participate would be relatively easy but how do you get NAVDAC or COMNAVLOGPAC activities, for instance, to participate. And third, if a management system is implemented, how do you enforce

compliance? How do you ensure that new programming projects are implemented in the system and timely updates made to the database when changes occur?

The cost-benefit analysis and the political issues are not addressed in this thesis and would make excellent topics for further research. But the key to forcing compliance is in making the system simple and beneficial to the users. The more benefit a user receives from a system, the more likely the user is to support that system.

NAVSUP or its designated management agent should stay clear of the "approval" role. The decision to develop applications should clearly remain with the field activity. As discussed previously, the stock point sites know their business and customer base and if they feel a local program is required, then it should be developed. But on the other hand, it makes sense to have a system similar to UNIQUE where software can be banked and shared with other user activities.

The author recommends that an on-line local program management system be developed. The most logical place to implement the centralized management function would be at the Navy Fleet Material Support Office (FMSO) the NAVSUP CDA. FMSO supports UADPS and supporting local program management would be a logical extension of their activities. The primary advantage of the FMSO location would the high level of technical support available to users but also, as

mentioned earlier in the chapter, FMSO could maintain a pulse point on local program development, spotting trends and weak areas in standard UADPS-SP support as they occur.

The ideal processing system for accomplishing centralized management would be SPLICE using SPLICENET to communicate between sites and the database.

A system could be developed on SPLICE to centrally store information on local programs available at all sites. Information included would be catalog, identification and technical specifics of the local program with an accompanying abstract describing the nature of the program, interfaces, inputs and outputs. Users could access the central manager via SPLICENET and query the database using keys such as application, title, and functionality to search for applicable required programs. If found, programs could be transferred via SPLICENET from the host site, if actual programs are stored there, or request the program from the designated owner. If desired programs were not found to exist, the site would commence local development of the application and when complete, update the central database with the required information. FMSO would be responsible for overall coordination of the system, providing guidance to users, and periodically providing applicable usage statistics and reports to NAVSUP and the stock point sites. FMSO could also periodically produce lists of new local

software products or even shotgun copies of new programs that appear valuable or have applicability to other sites.

The system described is obviously over simplified. In reality a complete feasibility analysis would have to be performed before a system could be designed. However, it is the authors opinion that such a centralized system could reduce local system development costs through reductions of duplicate effort and would improve the UADPS environment by bringing management attention to bear on shortcomings of the system

VI. SUMMARY AND CONCLUSIONS

A. SUMMARY

The intent of this thesis was to provide insight into the local unique program situation at stock points. Specific areas of research into local programs included investigation of functionality, UADPS-SP application interface, commonality between stock point sites, conversion alternatives and overall management.

Although each area of research was thoroughly discussed in its respective chapter, a short review is provided here as a basis for conclusions and recommendations.

It was determined that in excess of two thousand local programs exist at the six, NAVSUP controlled, CONUS stock point sites. The functions performed by the local programs were primarily in the areas of report generation, file scan or analysis and printed output. Applications most often processed against were UADPS Applications G and H followed closely by applications A, C, D and K. Supply management applications were the most frequently developed and accounted for 43% of local programs while financial management applications composed 28% of the total with the remainder spread evenly over specialized support applications. On an individual site basis, functionality remained consistent with aggregate functionality.

Applications emphasis, however, varied unpredictably from site to site.

Functionality of local programs was found to be compatible with the software functionality being procured by SPAR. Additionally, it was suggested that many local programs submitted for conversion under the C1/C2 contract may be functionally accomplishable using SPAR procured software products.

It was suggested that the advantages of using fourth generation programming languages outweigh the disadvantages and that programming in the 4GL environment will greatly improve organisational productivity at the stock points when if properly implemented and managed.

Issues involved with local program management were discussed with regard to controls at the local level, headquarters level and how other agencies approach the management problem. An estimated dollar value was attached to the local program inventory and a proposed methodology for controlling local programs in the stock point arena was presented.

B. RECOMMENDATIONS

Based on the findings of this thesis, the author provides the following recommendations. First, that NAVSUP review programs submitted for C1/C2 contract conversion with the idea of weeding out submitted programs that can possibly

be converted with SPAR procured functionality. As an alternative, those same programs could remain in the package but be implemented, by the contractor, using SPAR procured functionality. Either alternative has the potential to reduce conversion costs.

Second, that NAVSUP study the fourth generation language issue in depth. Fourth generation languages provide tremendous potential for productivity increases given the proper environment. The ground work and structure for the environment must be developed as part of an overall plan and will not occur simply by putting the 4GL tools in the field. The study should address proposed organizational structures, implementation policies, operational procedures, security measures and long term impact assessment on the DP organizations.

Third, that NAVSUP also study the feasibility of implementing a management control system for local program development. A simplified program was briefly outlined in Chapter V. Obviously a thorough, in-depth study would be required before any such system could be implemented. There is clearly potential for cost savings and productivity enhancement by developing such a system.

APPENDIX

LISTINGS OF LOCAL PROGRAMS

This appendix contains listings of local programs for the six sites studied in this thesis. Listings are by site and in the order introduced in the tex . Data provided are program number, program title, application, function and submitted. An asterisk in the submitted column indicates that the program was submitted to FMSO for inclusion in the C1/C2 conversion contract.

NSC CHARLESTON LOCAL UNIQUE PROGRAMS

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
EG02	UNKNOWN	?	9	*
FA01	UNKNOWN	?	9	*
FA03	UNKNOWN	?	9	*
FA20	UNKNOWN	?	9	*
FA46	UNKNOWN	?	9	*
FA50	UNKNOWN	?	9	*
FA51	UNKNOWN	?	9	*
FA52	UNKNOWN	?	9	*
FA60	UNKNOWN	?	9	*
FA61	UNKNOWN	?	9	*
FA62	UNKNOWN	?	9	*
FA99	UNKNOWN	?	9	*
FC01	UNKNOWN	?	9	*
FC02	UNKNOWN	?	9	*
FC03	UNKNOWN	?	9	*
FC04	UNKNOWN	?	9	*
FD01	UNKNOWN	?	9	*
FF01	UNKNOWN	?	9	*
FF02	UNKNOWN	?	9	*
FG01	UNKNOWN	?	9	*
FG02	UNKNOWN	?	9	*
FG03	UNKNOWN	?	9	*
FG04	UNKNOWN	?	9	*
FH01	UNKNOWN	?	9	*
FH02	UNKNOWN	?	9	*
FH05	UNKNOWN	?	9	*
FH10	UNKNOWN	?	9	*
FJ01	UNKNOWN	?	9	*
FJ02	UNKNOWN	?	9	*
FJ10	UNKNOWN	?	9	*
FQ01	UNKNOWN	?	9	*
FQ04	UNKNOWN	?	9	*
KA01	REFORMAT PROGRAM	A	5	*
KA02	1100 LISTING GANG PUNCH OPTION	A	7	*
KA51	CRASP SEL DISK UPD W/BUMP DECK	C	6	
KA52	CRASP MERGE PCC CARDS W/KA51 F	C	3	
KA53	CRASP MERGE PCC CARDS W/KA53 F	C	3	
KA54	CRASP MERGE FILES BUILD TAPE	C	3	
KA55	CRASP VALIDATE PCC	C	5	
KAPBT	PRINT 1348 DOCUMENTS W/RESTART	C	7	*
KC01	MODIFY RESERVATION CONVERSION	A	2	*
KD01	MISC FILE HANDLER	H	2	
KF01	LIST 832 CARD FOR REGISTER 06	F	7	*
KF02	UNKNOWN	?	9	
KG01	BATCH MVI'S TO CREATE ZNW OBLI	G	2	*
KG02	ZNW MONEY VALUE INQUIRY	G	6	*

NSC CHARLESTON LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
KG03	ZNX CARD LISTING U04403	G	7	*
KG04	ZNW/ZNX LISTING	G	7	*
KG05	LT SUMMARY REPORT - U04406	G	4	*
KK02	UNKNOWN	?	9	*
KSRC	SOURCE FILE (TAPE HANDLER)	H	2	
LA10	SPCC TERMINAL ITEMS	P	7	*
LA11	LOAD SMCC VIA Z8B	P	2	*
LA13	UNKNOWN	?	9	*
LA14	VITRO/MRF MATCH	P	3	*
LA17	LOAD LRCC IN ROF-FILE	P	2	*
LA22	UNKNOWN	?	9	*
LA25	UNKNOWN	?	9	*
LA27	UNKNOWN	?	9	*
LA28	UNKNOWN	?	9	*
LA29	FBM PUBS MAINTENANCE VALIDAT	P	7	*
LA30	FBM PUBS CATALOG REPORTING	P	4	*
LA32	FBM CATALOG INDEX REPORT	P	4	*
LA33	UNKNOWN	?	9	*
LA3H	UNKNOWN	?	9	*
LA3I	UNKNOWN	?	9	*
LA3J	UNKNOWN	?	9	*
LA44	UNKNOWN	?	9	*
LA46	EST RE CHGNOT ITEMS	P	6	*
LA52	DLF MTIS PROCESSING	B	0	*
LA53	DLR MTIS INQUIRIES/UPDATES CRT	B	8	*
LA54	DLF-FILE	B	8	*
LA55	UNKNOWN	?	9	*
LA56	UNKNOWN	?	9	*
LA60	MULTI OPTION RSF UTILITY	A	2	*
LA64	CHECK FOR DUPLICATE ISSUES	C	6	
LA66	UNKNOWN	?	9	*
LA71	UNKNOWN	?	9	*
LA72	UNKNOWN	?	9	*
LA73	NAVELEX REQNS/SPCC BOUNCEBACKS	C	6	*
LA77	UNKNOWN	?	9	*
LA83	UPDATE RDF/FROM TRANSRECON	B	8	*
LA84	ZQR INTERFACE FOR TERMINALS	B	1	
LA94	LOAD SITE CODE OSI	P	2	*
LA95	UNKNOWN	?	9	*
LA97	DH STATUS RECORD PURGE	A	8	
LAE2	DLF ADD AND DELETE	B	8	*
LAE4	DLR-MANAGEMENT REPORTS	H	4	*
LAE5	STATUS FILE LIST	B	7	*
LAM4	EXCESS/DISPOSAL DOC SORT/PRINT	M	3	*
LAQ2	ON-LINE TECH DECK MAINTENANCE	D	8	*
LAQ3	TECK DECK/INTERIM ORDER XREF L	D	7	*

NSC CHARLESTON LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
LAQ4	UNKNOWN	?	9	*
LAQ5	UNKNOWN	?	9	*
LAQ6	UNKNOWN	?	9	*
LAQ7	UESFP1/INTERIM XREF FOR MTIS	D	3	*
LAQ8	LOCAL INTERIM RANDOMIZER	I	2	*
LAQ9	UNKNOWN	?	9	*
LB01	PROVISIONS/INVOICE-PRINT	C	7	
LB02	UNKNOWN	?	9	*
LB03	UNKNOWN	?	9	*
LB06	UNKNOWN	?	9	*
LB07	UNKNOWN	?	9	*
LB17	UNKNOWN	?	9	*
LB19	UNKNOWN	?	9	*
LB20	CREATE MASTER SCHED FILE	H	8	
LB21	PRODUCE MACH SCHEDULE	H	7	
LB23	MATCH ZEN WITH NMDL	D	3	
LB23A	NMDL NON-9-COG MATCH	D	3	
LB23T	9-COG EXTRACT MATCH	D	3	
LB25	FBM NOT CARRIED DEMAND HISTORY	D	4	*
LB26	UNKNOWN	?	9	*
LB29	UNKNOWN	?	9	*
LB31	FBM NC NMDL MATCH	D	3	*
LB39	UNKNOWN	?	9	*
LB49	SHYD SHOP STORES AVAIL	H	6	
LB57	FBM PROTECT LEVEL/ZENZ9BZ8AZYL	D	0	
LB58	MIT SUMMARY LIST	B	7	
LB61	RD SCAN DUES OVER 30 DAYS	B	6	
LB62	SPCC REJECT DECK MATCH	D	3	*
LB64	NIS/NC ERV REPORT	D	4	*
LB66	FBM FILTER FILE LOAD	D	2	
LB67	FBM FILTER FILE SCRUB MDF DATA	D	6	*
LB70	DEMAND HISTORY CLEANUP	D	8	
LB71	RANGE ADD REVIEW	D	7	
LB72	UNKNOWN	?	9	*
LB73	UNKNOWN	?	9	*
LB74	UNKNOWN	?	9	*
LB75	UNKNOWN	?	9	*
LB77	UNKNOWN	?	9	*
LB7A	SELECT UN71 CDS FRM LRG VOL	D	2	
LB85	MSIR FILE STA/SYS	D	2	*
LB90	UNKNOWN	?	9	*
LBA3	MONEY VAL BY WHSE LOCATION	H	6	*
LBA9	PILFERABLE CODE 1	H	7	*
LBB0	AUTO 70 PROC FOR SMART/SUPP	C	8	
LBB2	ZEN 9L INFO FROM NMDL TAPE	D	2	
LBB3	Z8F GENERATOR	D	7	

NSC CHARLESTON LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
LBC9	DUES ANALYSIS FOR STRAT	B	6	*
LBD1	INVOICE RECEIPT TRACKING RPTS	B	4	*
LBDLBLPR	PROCESS TO PRINT MAILING LABEL	Q	7	
LC04	UNKNOWN	?	9	*
LC05	UNKNOWN	?	9	*
LC06	UNKNOWN	?	9	*
LC09	MSIR IOR STATS/MICROFICHE	C	7	*
LC15	UNKNOWN	?	9	*
LC19	SCANS ESF & UM05J1 MTIS FOR 84	M	6	
LC22	RMMDAT-POD-TIME 1348-1 UPDATE	C	8	*
LC23	SPEC 1348-1 DOC PRINT PROG	C	7	*
LC34	RDF SHIPPING STATUS/NSF MATCH	F	3	*
LC35	RDF SHIPPING STATUS/NSF RECON	F	3	*
LC37	ISSUE/REFUSAL/RECEIPT POD STAT	H	4	*
LC42	NSF DEBIT OBLIGATIONS - MV	F	6	*
LC59	DEMAND/POPULARITY MATCH SYS	C	3	*
LC61	NONREP/REP DEMAND RPT SYS	C	4	*
LC86	SCAN URIFP1 CORRECTIVE ACTION	R	6	
LC94	UNKNOWN	?	9	*
LCOBLA	TC3500 COBOL COMPILER	H	1	
LCRS03	105 UPDATE/INQUIRY REQ CRIBC	B	8	
LCRS04	CRIBC UPDATE/INQUIRY REQ	B	8	
LCSS01	CRIBC UPDATE SERVER	B	2	
LCSS02	CRIBC INQUIRY SERVER	B	2	
LCSS03	CRIBC MSN PRINT SERVER	B	2	
LCSS04	CRIBC 105 UPDATE SERVER	B	2	
LCSS11	CRIBC FILE DAILY UPDATE BATCH	P	8	
LD03	JOB ORDER SCAN	E	6	
LD17	UNKNOWN	?	9	*
LD25	NAVELEX TITLE FILE UPDATE	H	8	*
LD35	UNKNOWN	?	9	*
LD38	MTRL RCPT PROCESS TIME ANAL RP	B	4	*
LD39	RECEIPT ANALYSIS REPORT	B	4	*
LD41	UNKNOWN	?	9	*
LD42	UNKNOWN	?	9	*
LD43	UNKNOWN	?	9	*
LD51	DELAYED RECEIPT REPORT	B	4	
LD61	UNKNOWN	?	9	*
LD70	UNKNOWN	?	9	*
LD71	UNKNOWN	?	9	*
LD75	PRODUCE FK1 CARDS FOR IDA PMTS	G	7	*
LDA2	IDA MULTIPLE P3 FORMAT	G	2	
LDB1	WORKER ID CRT UPDATES	H	8	*
LDB2	CAUSATIVE RESEARCH CRT UPDATES	H	8	*
LDB3	CAUSATIVE RESEARCH LIST/PURGE	H	8	*
LDC9	CHRIS TOTAL EXCEPTION BY PIIN	G	7	

NSC CHARLESTON LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
LE06	SELECT MRF 1H COG/SP SMIC	H	6	*
LE10	UNKNOWN	?	9	*
LE20	LIRSH/FBMAR COMPARE/LIST	P	3	
LE21	LIST ZERO DEMAND ITEMS FM MRF	H	6	*
LE31	DELETE DUPS FROM MSIR	P	3	
LF01	UNKNOWN	?	9	*
LF02	UNKNOWN	?	9	*
LF03	UNKNOWN	?	9	*
LF04	UNKNOWN	?	9	*
LF05	UNKNOWN	?	9	*
LF06	UNKNOWN	?	9	*
LF07	UNKNOWN	?	9	*
LF08	UNKNOWN	?	9	*
LF09	UNKNOWN	?	9	*
LG03	JOB MAIL SCAN	G	6	*
LG04	SELECT NAVELEX RECORDS	G	6	*
LG07	NSF DCF RECONCILIATION	G	4	*
LG08	NSC LABOR RECAP	G	4	*
LG09	BREAKOUT OF COSOL COMMITMENTS	G	6	*
LG11	SORT DCF DOC NO SEQ	G	3	*
LG12	UNKNOWN	?	9	*
LG14	SORT/PUNCH LABOR CARDS	G	7	*
LG15	SORT & PRINT UB01 PUNCH FILE	B	7	
LG16	UNKNOWN	?	9	*
LG18	CHG UIC UF20 CARDS	F	7	*
LG22	UNKNOWN	?	9	*
LG23	BUMED INVESTMENT EQUIPMENT	G	7	*
LG24	SCAN RD FOR 1H DUES	B	6	*
LG25	COSAL REPTS BY SUBHEAD	G	4	*
LG30	UNKNOWN	?	9	*
LG35	DOWNLOAD GROSS PAY TO WANG	G	1	
LG36	LIST UF23U BY CATEGORY	G	7	
LG39	LIST NSF CREDIT BILLS	G	7	
LG59	1107 FEEDER AND 362 SORT	G	3	*
LG60	UNKNOWN	?	9	*
LG61	UNKNOWN	?	9	*
LG62	RECAP & SUM NSC LBR AND MMEAS	G	6	*
LG63	SORT & PRINT FOR LG62	G	3	*
LG64	UNKNOWN	?	9	*
LG65	UNKNOWN	?	9	*
LG95	SORT SCA 471 & 472	G	3	
LGA1	DOWNLOAD FISCAL INPUT TO WANG	G	1	
LH02	UNKNOWN	?	9	*
LH03	RESERVATIONS COUNT/VALUE	H	6	*
LH04	KEYPUNCH UTILIZATION	H	4	*
LH05	MATL INVENTORY ADJS REPORT	H	4	*

NSC CHARLESTON LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
LH06	UNKNOWN	?	9	*
LH07	UNKNOWN	?	9	*
LH08	UNKNOWN	?	9	*
LH09	PUR-ZDW MAINT/ZDW-GENERATE	B	6	
LH10	I/P FILE SCAN	C	6	*
LH11	I/P FILE SCAN PHASE 2	C	6	*
LH12	ZRC STOCK POSITION LIST	B	7	*
LH13	ACCUM/LIST PURGED MSIR-YTD	I	6	*
LH15	UNKNOWN	?	9	*
LH20	UNKNOWN	?	9	*
LH22	UPDATE COSAL DEMAND HIST FILE	G	6	*
LH23	INQUIR COSAL DMD HIST FILE	G	6	*
LH36	ZIL YEAR-TO-DATE REPORT	H	4	*
LH50	UNKNOWN	?	9	*
LH51	UNKNOWN	?	9	*
LH52	UNKNOWN	?	9	*
LH53	MODES OF SHIPMENT BY ISSUE GP	I	4	*
LH54	SKELETON RECEIPT DISCREPANCY	B	2	*
LH55	DELINQUENT LP DUES	B	6	*
LH56	MECHANIZED 1153 PURCHASE REQ	C	7	
LH57	ESTABLISH/UPDATE SMC RECORDS	I	6	*
LH58	DUE VALIDATION 1H PULL/DLR	B	6	*
LH59	SMC REPORTS AND PURGE	I	6	*
LH60	DCF/2074 MATCH	G	3	*
LH67	EXPENDITURE RPT MTHLY G SERIES	G	4	*
LH70	SUPPLE REPLENISHMENT RQMTS	D	0	*
LH72	WAREHOUSE REFUSAL REPORTS	H	4	*
LH73	WAREHOUSE REFUSAL SUMMARY	H	4	*
LH74	WAREHOUSE REFUSAL STATISTICS	H	4	*
LH75	CAUSATIVE RESEARCH REPORTS	H	4	*
LH81	AVERAGE GRADE LEVEL REPORT	Z	4	*
LH82	STAFFING/GRADE LEVEL REPORTS	Q	4	
LH83	UNKNOWN	?	9	*
LH89	UNKNOWN	?	9	*
LH91	MSIR HIT SCAN	H	6	*
LHA1	IDA CHECK REGISTER SAMPLES	G	7	*
LHA2	EXCEPTION LISTINGS	J	7	
LHA6	RZF UPDATE FROM LJ71J TAPE	J	8	
LHA7	RZF UPDATE VIA CRT	G	8	
LHA8	UTEF SCAN FOR CU EXCEPTIONS	G	6	
LHA9	SIF UPDATE VIA CRT	G	8	
LHB1	LSIF SCAN FOR MONTHLY INSPECTS	G	6	
LISTUF2	3U IN NSN SEQUENCE	F	3	
LJ00	SELECT/VALIDATE/SORT FOR LJ01	G	6	*
LJ01	UNKNOWN	?	9	*
LJ03	SELECT/VALIDATE/SORT FOR LJ04	G	6	*

NSC CHARLESTON LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
LJ04	CONTROLLED MAINT FOR BEAUFORT	G	4	*
LJ07	IDA STOCK FUND GENERATOR	G	4	*
LJ08	EXTRACT UTILITY INFORMATION	G	2	*
LJ20	OVERAGE OUTFITTING COMMITMENTS	G	6	*
LJ21	IDA VALIDATION	G	5	*
LJ25	NON-PERISHABLE SUBSISTENCE RPT	G	4	*
LJ71	FINANCIAL RECON PREP	F	5	*
LJ72	FINANCIAL RECON RUN	F	0	*
LJ73	FINCL OBLGINS RECON ADDR LABEL	F	7	
LJ75	PROGRAM G075 MODIFICATION	G	2	*
LJ76	PREPARE UTILITIES FEEDER RPT	G	4	
LJ82	CONT MAINTENANCE FILE PURGE	G	8	
LJ92	PRINT DCF REPORT OUTFITTING	G	4	*
LJ93	PROVISIONS PREP DZA STATUS CDS	D	7	
LJ94	VALIDATE SORT FROZ FRSH PROV	D	3	*
LJ95	PROCESS FROZ FRSH PROV	D	0	*
LJ96	FROZ FRESH PROV REPORTS	D	4	*
LJ98	PER PROV MONTHLY TRANS LEDGER	D	7	*
LJA1	INVOICE TRACKING - PURGE	B	8	*
LJA2	MTD-YTD FUNDS COMMITTED U.K	G	7	
LJA3	Z8H TALLY CARD - PRINT	I	7	*
LJA4	WORK-HOUR STATISTICAL REPORT	B	4	
LK03	SUMMARIZE UIC ON UC51K1 TAPES	A	4	
LK04	WRITE UC51 INPUTS TO TAPE	A	2	
LK15	ON LINE REF TRACKING SCREEN	C	2	*
LK16	PURGE REFERRAL TRACKING FILE	C	8	*
LK17	REDIRECT CODE 4 EXCEPTIONS	C	5	*
LK96	UNKNOWN	?	9	*
LK97	COMPUTE VALUE OF FBMP/F	C	6	*
LK98	UNKNOWN	?	9	*
LK99	UNKNOWN	?	9	*
LL01	UNKNOWN	?	9	*
LL04	SS/L1 SMIC ERV MGMT EFFECTNES	H	4	
LL05	NSO PACKAGE PRICING	D	7	*
LL06	NEW APL LOAD	D	2	
LL07	EXCLUSION MATCH/NEW ITEM PKG	D	3	*
LL08	APL NET/GROSS EFFECTIVENESS	H	4	*
LL09	APL LOAD	C	2	*
LL10	UNKNOWN	?	9	*
LL11	UNKNOWN	?	9	*
LL12	UNKNOWN	?	9	*
LL14	NON FBM DEMAND TAPE	D	7	
LL15	AQD STOCK LEVEL UPGRADE	H	8	*
LL16	DIRTY THIRTY NET/GROSS EFFECT	H	4	
LL17	ACTIVITY NET/GROSS EFFECT	H	4	*
LL18	SPCC TAPE CONVERSION	D	1	

NSC CHARLESTON LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
LL19	DEMAND/COST APLS	H	7	*
LL22	REFERRALS	C	0	*
LL25	NIS COUNTS FOR STOCK LEVEL UPG	C	6	*
LL26	SPECIAL APL NET/GROSS EFFECT	H	4	*
LL29	OLA TAPE CONVERSION	C	1	*
LL30	REFERRAL TRACKING FILE UPDATE	C	8	*
LL31	REFERRAL TRACKING REPORT PRG	C	4	*
LL32	LOST REFERRALS REPORTS	C	4	*
LL34	LOST REFERRALS RECOVERY PRG	C	2	
LL35	SCAN MSIR FOR JFKL COND CODE	D	6	
LL36	JFKL COND CODE TRANS FILE UPDA	D	8	
LL37	JFKL CON CODE TRANS REPORT	D	4	
LL38	ON-LINE INQUIRY JFKL TRANS	D	6	
LL39	DELETE JFKL TRANS RECORDS	D	8	
LL40	NON-FBM REPAIRABLE INDUCT PROC	D	8	
LL41	NON-FBM REPAIR INDUCT RPTS	D	4	
LL52	SCAN TLOD FOR ZXA DOCID	I	6	
LM10	RECORDING OF CASREP DEMANDS	D	8	
LM80	UPDATE CODE 30 PROB NIIN FILE	4	8	-
LM82	PURGE RECORDS FM CODE 30 PROB	4	8	-
LM84	INQUIRY PROG FOR CODE 30 PROB	4	6	-
LM87	SELECTIVE LISTING OF PROB NIIN	4	7	-
LM89	PERFORM MAINT ON PROB NIIN FIL	4	8	-
LM70	CHECK REQN NO AGAINST MRBF/MRA	4	3	-
LM80	MATCH LM80J2 TO LM80K2	4	3	-
LM81	MATCH 1109 TAPE W/CURRENT MLN	4	3	-
LM01	UK UPDATE (BATCH)	A	8	*
LM02	UK UPDATE (ON-LINE)	A	8	
LMVREQPG	PROCESS MODS TO NAVELEX LPREQ	Q	8	
LOADMP	NAVY VERSION W/PARITY ROUTINE	H	1	
LOGDMP	LOG DUMP UTILITY	H	1	
LOGGER	LOG EXTRACT UTILITY	H	2	
LP04	BOMD EDIT/VALIDATE PROG	K	5	*
LP06	BOMD LOAD/UPDATE/DELETE RPT	K	8	*
LP08	POPULARITY SCAN OF MSIR FILE	D	6	
LP07	UK SR2/SR3 REPORTS PROGRAM	A	4	*
LP10	UTILITY PRINT PROGRAM BOMDS	K	7	*
LP14	ANNUAL NAVCOMPT LEAVE USED RPT	K	7	
LP1[illegible]	SPECIAL SR2/SR3 FIIN SEQ RPT	A	4	*
LP99	[illegible]	?	9	*
LP98	MIL PAYRL GENERATE CHARITY TAP	L	7	*
LP0[illegible]	[illegible]	?	9	*
LP0[illegible]	[illegible]	?	9	*
LP05	[illegible]	?	9	*
LP09	[illegible]	?	9	*
LP04	[illegible]	?	9	*

NSC CHARLESTON LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
LP45	UNKNOWN	?	9	*
LP46	UNKNOWN	?	9	*
LP48	UNKNOWN	?	9	*
LP49	UNKNOWN	?	9	*
LP52	CODE 61/63 LEAVE RECORD	K	7	
LP53	UNKNOWN	?	9	*
LP54	LIST OF PPS PDQ PARTICIPANTS	L	7	
LP56	PAYROLL/PERSONNEL RECON	K	3	*
LP57	UNKNOWN	?	9	*
LP58	UNKNOWN	?	9	*
LP59	MEMBERS NOT PARTICIP IN DDS	L	7	
LP94	RECOVER BACKUP DISK FILE	2	2	
LQ01	SCAN SUMMARY REPORT BY UIC	H	6	*
LR00	SCAN MXRFP2 FOR BLANK TCN	4	6	-
LR01	SORT MPA1 INPUT	4	3	-
LR02	MERGE LR01RS DISK W/7 COG TAPE	4	3	-
LR03	SCAN LSSFPO & DELETE 999 RECS	4	8	-
LR06	SCAN FOR RQNS OF RAF NOT ON RB	4	6	-
LR07	AVG REQNS PER TCN	4	6	-
LR08	LIST AT1-5 WITH DEMAND	4	6	-
LR09	CHECK FOR INVALID MRTF S/W LIN	4	2	-
LR10	CORRECT INVALID INFO ON MRTF	4	5	-
LR11	INVALID TENDER DUES	4	7	-
LR15	TRANS RQN FILES TO TRF	4	2	-
LR19	CONVERT PUNCH FILES FOR B1985	4	1	-
LR20	PMO PERSONNEL LIST	4	7	-
LR21	SELECT REC EMV >$99 FM REPAIR	4	6	-
LR25	1109 SAC PUNCH	4	7	-
LR26	BACKUP LIST PROGRAM FOR B-700	4	1	-
LR27	SELECT RQNS >45 DAYS AT SPCC	4	6	-
LR28	TOTAL RQNS ON MRBFPZ & BTWN DA	4	6	-
LR29	CREATE CHAS SUPPO LIST	4	7	-
LR30	SELECT REC FROM MRBF-WRITE TAP	4	6	-
LR31	MATCH NIIN FM PMO LAST STATUS	4	3	-
LR32	MATCH PMO DMD WITH PMO SAFE LV	4	3	-
LR33	PMO HISTORY LAST STATUS RPT	4	4	-
LR34	MATCH TWO INPUT TAPES	4	3	-
LR35	INPUT TO LR36 FM DATA DECK IG1	4	2	-
LR36	UPDATE MONTHLY LRIP DATA	4	8	-
LR37	GEN REPORTS FM LR36J2 TAPE	4	4	-
LR38	TENDER STOCK LAST STAT >60 DAY	4	6	-
LR39	LAST STAT OF ITEMS SHIPPED 60	4	6	-
LR40	LOAD LIST SUPPLY STAT RPT	4	4	-
LR41	TENDER SUPPLY EFFECT DATA	4	4	-
LR42	AWAIT AIR TRANS AT PORT REPORT	4	4	-
LR43	SHORT RECEIPT REPORT	4	4	-

NSC CHARLESTON LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
LR44	ATTACK TENDER INVTRY STAT RPT	4	4	-
LR45	GENERATE PPMMS TENDER STK STAT	4	4	-
LR46	SEA/SHIP DEL DATE REPORT	4	4	-
LR47	SELECT CONTACT ON MRAF TO TAPE	4	6	-
LR48	MATCH CARD FILE W/LR47R2	4	3	-
LR49	ATTACK TEND INV STAT REPORT	4	4	-
LR50	TENDER REPORT FOR PROCESSING	4	4	-
LR51	PULL ORIG AO RECS FOR UIC	4	6	-
LR52	PULL AO RECS FOR UIC W/T ORIG	4	6	-
LR53	PULL AO RECS FOR ITEMS W/S ORI	4	6	-
LR54	SELECT STAT REC BY DATE/RANGE/	4	6	-
LR56	CHECK CONFIR-ASSIGNMENT-QTY	4	5	-
LR57	SOAP FINANCIAL	4	0	-
LR58	MATCH LIRSH W/1109 TAPE OR ISL	4	3	-
LR59	SOAP PWS & ASSET MATCH	4	3	-
LR60	BACK ORDER STAT LIST FM LR02J2	4	7	-
LR61	SCAN MRBF FOR UNFILLED QTY	4	6	-
LR62	SCAN MRBF FOR FOLLOW-UP CTRL	4	6	-
LR63	SUMMARIZE ADTAKE ON NSC REQNS	4	4	-
LR64	SUMM ADTAKE ON ROU REQNS BY NS	4	4	-
LR65	INCORR LAST STAT ROUT ID SCAN	4	6	-
LR66	SCAN MRBF-CREATE MHD6 INPUT	4	2	-
LR67	AB3/YB3 SITE DETERMINE FM MCA4	4	6	-
LR68	DIRECT DELIVER	4	7	-
LR69	SHPMT TO POD TIME MGMT REPORT	4	4	-
LR70	SCAN MMDF FOR SELECT RECORDS	4	6	-
LR72	SELECT TENDER NIINS W/ONHD >	4	6	-
LR73	SCAN MADF FOR NIINS WITH AT2/3	4	6	-
LR76	LIST PMOMRF IN NSN SEQ	4	7	-
LR79	SCAN DISK FOR ASSET FILE ERROR	4	2	-
LR80	REPAIR MGMT FILE REPORT	4	4	-
LR81	SSBN DMD FOR PAST SIX REFITS	4	6	-
LR82	SELECT LAST STAT RECS FROM MPP	4	6	-
LR83	SPECIAL HLS EXTRACT ON FICHE	4	7	-
LR84	SELECT LAST STAT REC FM HIST	4	6	-
LR85	SPECIAL HLS UPDATE	4	8	-
LR86	STAT OF REQNS UNDER PMOTECH CT	4	7	-
LR87	MAINTAIN PMO TECH FILE	4	8	-
LR88	FORMAT/CONVERT DLSC DATA	4	5	-
LR89	UPDATE DLSC MOE/ROUTING ID/COG	4	8	-
LR90	SCAN MRBF FOR PRI <> 1,2,3...	4	6	-
LR91	SCAN MADF FOR SELECT SSBN ASCE	4	6	-
LR92	SCAN MADF FOR NIINS COMMON AS	4	6	-
LR93	CARD TO TAPE CONVERSION	4	2	-
LR95	SCAN MRBF FOR SELECT DATE	4	6	-
LR98	SCAN MRAF FOR NO MATCH MRBF RE	4	3	-

NSC CHARLESTON LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
LR99	ISSUE TO SHIP STAT RECPT RPT	4	4	-
LRA1	PRE-PURGE REFIT ANALYSIS	4	4	-
LRA4	SELECT ITEMS FROM MRAF	4	6	-
LRA5	CREATE CARD/LIST FM LRA4	4	7	-
LRE5	LAST STATUS FOR SITES	4	6	-
LRF3	FOLLOW-UP SORT	4	3	-
LRG3	ACCUM LATEST STAT OF SEL REQN	4	4	-
LRG4	MERGE SELECT DAIL TRANS FILES	4	3	-
LRH6	PURGED REQN HIST REPORT	4	4	-
LRTK	TAK MANIFEST MATCH	4	3	-
LS01	DENTAL CLINIC PATIENT ROSTER	H	7	*
LS02	MEDICAL CLINIC PROGRAM	H	7	*
LS05	UK SCAN FOR FOLLOW-UP	A	6	*
LS06	DENTAL/MED CARD TO TAPE	H	2	*
LS11	UK HISTORY FILE PURGE	A	8	*
LS17	REPAIRABLE RECONCILIATION	R	0	*
LS24	CUSTOMER STRAT DECK	H	7	*
LS26	CREATE LMOFP1/LMMFP1D DPK FILE	L	8	*
LS27	ON-LINE OVERRIDE FILE UPDATE	L	8	*
LS28	ON-LINE MCD ENTRY1PMF UPDATE	L	8	*
LS29	RODS FAE/FAF TRANS QUEUE	C	2	
LS50	MICROFICHE FM UA43 BACKUP TAPE	H	7	*
LS72	ERV 3H EXCEPTIONS	H	8	*
LS73	PRINT TAPE LABELS	H	7	*
LS74	CRASP NIIN SEQUENCE RPT	A	4	
LS75	UNKNOWN	?	9	*
LS76	WEEKLY CORE VARIANCE	H	4	
LS97	MICROFICHE FM PRINTER BACKUP	H	7	*
LS98	MICROFICHE FM PRINTER BACKUP	H	7	*
LSA1	PSA TRAILER/CHANGES REPORTS	L	4	*
LSA2	PRODUCE PAYROLL INPUT PSUEDO F	L	8	*
LT08	UNKNOWN	?	9	*
LT09	NSF EXPEND/OBLIGATION REPORT	F	4	*
LT10	NSF VARIOUS REPORTS	F	4	*
LT13	SORT/LIST UH21 ZDE/ZDF TAPE	A	3	*
LT20	PROCESS MTIS TURN IN FOR BATH	M	8	
LT20T	PROCESS MTIS TURN-IN FOR PMO	M	8	
LU01	SUPPLY MGMT RPT-CNSY/SP, X SMI	H	4	*
LU02	SUPPLY MGMT REPORTING-FBM/UK	H	4	*
LU03	UNKNOWN	?	9	*
LU04	UNKNOWN	?	9	*
LU05	UNKNOWN	?	9	*
LU11	B.O FILE SCAN FOR NSF DMDS	C	6	*
LU17	PROGRAMMER PROJ/MILESTONE RPT	H	4	
LU22	WORKER ID NUMBER REPORTING	H	4	
LU34	UNKNOWN	?	9	*

NSC CHARLESTON LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
LU43	UNKNOWN	?	9	*
LU44	UNKNOWN	?	9	*
LV06	NAVELEX EXPIRED MILESTONE RPT	H	4	
LV20	TAK Z98 PUNCH	D	7	*
LV26	NAVELEX FIN RPT NO. 1	H	4	*
LV27	NAVELEX FIN RPT NO. 2	H	4	*
LV34	LOCATION CHANGE DATA	D	8	*
LV35	MONTHLY ZAT/ZEL LISTING	D	7	*
LV36	RAMMS WAREHOUSE REFUSAL RPT	D	4	*
LV39	POD EFFECTIVENESS SCAN	H	6	*
LV74	OUTSTANDING OBL-CAN-CHGS	G	7	*
LW02	PRINT MPR	Z	7	
LW02Q	PRNT MPR (ENTIRE RECORD)	Z	7	
LW07	UK HIST EXTRACT/REPORT	A	4	*
LW09	MASS PAY CHG NOTIFICATION/UPDT	K	8	*
LW10	CCPO MISC REPORTS	Z	4	
LW11	SCAN MPR TO PRODUCE CARDS	Z	7	
LW12	CCPO PERF-RATING/RET-REG/READ	Z	7	
LW16	MPR SCAN OF SAVED PAY EMPLOYE	Z	6	
LW18	CCPO SCAN FOR ED CODE LVLS	Z	6	
LW19	MPR SCAN-WS/GS9/ABV OR AIM ELG	Z	6	
LW20	CCPO SUPERVISORY LIST BY UIC	Z	7	
LW24	CCPO BUDGET REPORT BY UIC	Z	4	
LW32	MPR SCAN FOR GS&WG BD SERIES	Z	6	
LW33	CCPO SCAN FOR STAT SERIES RPT	Z	4	*
LW34	GS/WG BD MALE/FEMALE STAT/GRD	Z	4	
LW36	MPR MASS UIC CHANGES	Z	8	*
LW38	UNKNOWN	?	9	*
LW45	UNKNOWN	?	9	*
LW50	PRINT UNPAID ACC ANN LEAVE	K	7	*
LW52	EEO REPORTS	Z	4	*
LW55	VACANCY CONTROL UPDATES	Z	8	*
LW56	VACANCY CONTROL REPORTS	Z	4	*
LW57	VACANCY CONTROL PURGE	Z	8	*
LW70	TP OR PSEUDO TO PSEUDO UTIL	H	2	
LW83	UA17 APTS/UADPS INTERFACE	Q	1	
LW84	UA39 APTS/UADPS INTERFACE	Q	1	*
LX06	REFERRAL SORT - LX07 EXECUTE	H	3	*
LX07	ZZA ZZD ZAQ FOR INTERIM	H	9	*
LX10	MTIS PROCESSOR	M	0	*
LX11	UNKNOWN	?	9	*
LX12	UNKNOWN	?	9	*
LX13	UNKNOWN	?	9	*
LX14	LOCAL ZQL INQUIRY	H	6	*
LX15	PLANT ACCOUNTER MASTER UPDATE	G	8	*
LX16	PLANT ACCOUNT REPORTS	G	4	*

NSC CHARLESTON LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
LX17	PLANT ACCOUNT SCAN	G	6	*
LX20	ZYL/ZAQ SORT/CONVERSION UA12	D	3	
LX20T	UNKNOWN	?	9	*
LX29J	SEQUENCE CHECK UC51J1 TAPE	A	5	
LX37	SECURITY CODE SCAN NON J & U	H	6	*
LX37Y	MSIR SCAN FOR ZZA READOUTS	D	6	*
LX38	CRASP SHELF-LIFE CODE CHECK	A	6	
LX42	VALIDATE SAVE CARD DECK	H	5	
LX49	SCAN - FILES W/NO ACCESS	H	6	
LX52	CRASP PHASE 2-A	A	8	
LX52X	CRASP TRF UIC TO PMO	A	2	
LX81	RD SCAN/AF1 PUNCH BY ACCT	D	6	*
LX92	3B/70 EXCEPTION INQUIRY	C	6	
LXA2	PUNCH OUTSTAND CRASP ITEMS	A	7	
LXA4	SAFETY LOG UPDATE	H	8	*
LXA5	SAFETY LOG REPORTS	H	4	
LXA7	TIMS MINORITY REPORT	Z	4	*
LXR3	CONVERT 1109 TO AC3/AE4 CARDS	A	7	
LY00	1I COG QTRLY DMD SCAN	C	6	
LY01	SCAN RSF FOR HOTLINE ACTIVITY	C	6	
LY07	REQ STA SCAN FOR FMS	H	6	
LY08	MSIR SMIC CODE SCAN	H	6	
LY09	PILFERABLE ITEM SCAN	H	6	
LY10	PRE-PURGE REQ STA SCAN	C	6	
LY19	UNKNOWN	?	9	*
LY24	TURN-IN STOCK DOL VALUE RPT	E	4	*
LY26	N/C DMD HIST MASTER TAPE LIST	D	7	
LY34	SEL FBM NC DMD HIST	D	6	*
LY35	PROJ MGR SUP EFF REPORT	D	4	
LY38	MSIR SCAN FOR ISS RESTRICTION	D	6	
LY39	SHELF LIFE MAINTENANCE RPT	D	4	*
LY39D	48 MONTH SHELLIFE SCAN	D	6	
LY40	MSIR BLANK LOC/HAZ ITEM SCAN/R	D	6	
LY41	WAREHOUSE RELOCATION SCAN	D	6	
LY42	SSPO MSIR SCAN	H	6	
LY42A	POPULARITY SCAN BY WAREHOUSE	D	6	
LY43	1H TWELVE MOS 2 HITS	D	6	
LY44	MVI ZNW COST OBLIGATION	C	7	*
LY46	9ACT/NONREPLEN NCNIS REPORT	D	4	
LY46A	TWELVE MONTH ERV SCAN	H	6	
LY47	ERV NOT CARRIED SCAN	H	6	
LY48	MSIR SCAN FOR FREIGHT LOAD	C	6	
LY49	DEMAND HISTORY ACCUMULATION	H	8	
LY58	ISSNCNIS DMD TRANS EXTRACT SYS	H	4	*
LY59	ERV MONTHLY NIS SCRUB	D	8	*
LY60	ERV MGMT EFFECT RPT SYS PHSE 1	H	4	*

NSC CHARLESTON LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
LY61A	UIC NET AND GROSS EFF RPT	H	4	
LY66	PARTIAL ISS AVAIL RPT SYS	H	4	*
LY67	REFERRAL STATS UK/DUPS	H	4	*
LY68	REFERRAL STATS-NIS/FSN/AC TBLE	D	4	*
LY69	REFERRAL STAT MGMT EFF SYSTEM	D	4	
LY70	TECH, GENERAL AND PERS SUPPORT	D	4	
LY78	LEAD TIME ANALYSIS REPORT	D	4	
LY79	MAYPORT REQN SCAN	D	6	
LY79A	SELECT UIC DMD SCAN	H	6	
LY79B	UH70N SCAN FOR ACTIVITY	C	6	
LY80A	CONDITION CODE MATL ON HAND	A	6	
LY81A	UC50 RECOVERY/DUPLICATE CHECK	C	3	
LY82A	SCAN FOR SPCC FOR TRIDENT/FBM	A	6	
LY83A	MONEY VALUE ONLY (MVI)	A	6	
LY85A	WEIGHT/CUBE SCAN OF NFF	H	6	
LY89A	CARCASS TRACKING WKLOAD RPT	R	4	
LY90A	LOAD SOURCE PGMS TO B-4900	U	1	
LY93	ERV SCAN BY ACTIVITY 2 & HITS	D	6	
LY95	MONEY VALUE INQUIRY REPLIES	C	6	*
LY96	PAYROLL CHECK SEQUENCE CHECK	K	5	
LY97	UNKNOWN	?	9	*
LY98	SHELF LIFE SCAN BY GROUP/CLASS	D	6	
LYA1	NCNISISS SCAN FOR UIC TABLE	H	2	*
LYA2	RHF/DHF SCAN	H	6	*
LYA4	UNKNOWN	?	9	*
LYA5	FBM SMIC DMD SCAN	H	6	*
LYB1	UNKNOWN	?	9	*
LYB2	UNKNOWN	?	9	*
LYB3	TWELVE MO FBM AQD AND FREQ	H	6	*
LYB7	VSAMS	D	8	*
LYB8	CODE 101 VSAMS REPORT	D	4	*
LYB9	SPCC VSAMS TAPE REFORMAT	D	2	*
LYC7	UNKNOWN	?	9	*
LYD1	UNKNOWN	?	9	*
LYD4	MSIR SCAN SECC NIIN LOCATION	H	6	*
LYD5	MSIR SCAN 1H PROTECT LEVELS	D	6	
LYD6	MSIR SCAN MCC FBMPL IAIP	H	6	
LYD7	NON-VSOL OHQ FBMPL DOL VAL	H	6	
LYE1	ERV TWELVE MONTH BREAKOUT	D	7	
LYE2	TWELVE MONTH 1H PL	D	7	*
LYF1	SUPPLY MGMT TRECON SELECT	H	6	*
LYF2	INVENTORY ADJUSTMENTS TRECON	H	4	*
LYI2	PROJECT CODE UIC/AC	H	6	*
LYI3	UNKNOWN	?	9	*
LYI5	MONTHLY DMD DUPLICATE CHECK	H	3	
LYI6	A4/70 MATCH FOR FBMORIDE	A	3	*

NSC CHARLESTON LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
LYJ2	FBM APL UPDATE	H	8	
LYJ6	AAC ANNUAL SCAN	D	6	
LYJ8	FBM PL.ERV UPDATE	H	8	
LYT7	LOAD NEW FBMPL 1 AND 7 COG	P	2	
LYT9	LOAD NEW FBMPL 9 COG	P	2	
LYZ7	BLANKS 1 AND 7 COG FBMPL	P	2	
LYZ9	BLANKS 9 COG FBMPL	P	2	
LZ01A	CERS FILE MAINTENANCE	A	8	*
LZ02A	CERS SHIPMENT AWARD ROSTER	A	7	*
LZ03A	CERS EVAL RPT (INTERSTATE)	A	4	*
LZ05A	CERS LCERP1 VARIABLE PRINT	A	7	*
LZ10	AFX/AFZ EXCEPTION PROCESS	H	8	*
LZ12	STK AVAIL CHK FROM TLL TAPES	A	6	
LZ13	FBM DEPLOYED STOCK AVAIL	A	7	*
LZ14	SERVMART STOCK AVAILABILITY	A	6	
LZ15	STOCK NIS/NC VERIFICATION	A	5	*
LZ16	STOCK PROTECTION PROGRAM	A	0	*
LZ17	PROJECT ANALYSIS PROGRAM	H	0	
LZ18	DATA FOR MINERON TWELVE	A	4	
LZ19	SQDN 4 SUPPORT ANALYSIS	D	4	*
LZ27	PROG FOR NSO DATA	A	4	*
LZ29	MSIR SCAN TO INSERT IDC OF E	P	6	*
LZ35	DATA PROCESSING MANPOWER ANAL	D	4	
LZ41	NICN PRICING PROGRAM	A	0	*
LZ42	SPCC HOT ITEMS/MRF MATCH	A	3	
LZ43	TAPE CONVERSION PROGRAM	H	1	
LZ47	DMD STRAT PIMMS MATCH	D	3	
LZ52	UNKNOWN	?	9	*
LZ61	NONREP/REP DEM RPT SYS BY AC	A	4	*
LZ70	UNKNOWN	?	9	*
LZ71	UNKNOWN	?	9	*
LZ91	FBM PROTECTION LEVEL SCAN	A	6	
LZA4	RSF SCAN FOR NON-NSN AND L ITE	H	6	
LZA6	AVAIL SUBSISTENCE/PREPARE DHA	C	7	*
LZB7	FBM-TRIDENT VELOCITY ITEMS RPT	H	4	*
LZF1	TOP 70% OF ISSUES IN 1981	H	6	
LZIR	INTERIM REPLEN - UNREVIEW ZMW	D	7	*
LZW1	INTERIM REPLENISH - CRT PROG	D	8	*
LZW2	INTERIM REPLENISH ZMW LIST	D	7	*
LZW3	INTERIM REPLENISH - DATA DIST	D	2	*
LZW4	WHSE QA SCORECARD - FILE U/D	H	8	*
LZW5	WHSE QA SCORECARD - REPORT GEN	H	4	*
LZW6	INVOICE TRACKING - CRT UPDATE	B	8	*
LZW9	ZONE 201 INVENTORY SELECTOR	H	8	*
MERZ	UNKNOWN	?	9	*
MERZA	UNKNOWN	?	9	*

NSC CHARLESTON LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
PEP10	UNKNOWN	?	9	*
PEP30	UNKNOWN	?	9	*
PK02	UNKNOWN	?	9	*
QA01	UNKNOWN	?	9	*
QA02	UNKNOWN	?	9	*
QA04	UNKNOWN	?	9	*
QA10	UNKNOWN	?	9	*
QA11	UNKNOWN	?	9	*
QA12	UNKNOWN	?	9	*
QA13	UNKNOWN	?	9	*
QA14	UNKNOWN	?	9	*
QA15	UNKNOWN	?	9	*
QA16	UNKNOWN	?	9	*
QA20	UNKNOWN	?	9	*
QA24	UNKNOWN	?	9	*
QA27	UNKNOWN	?	9	*
QA30	UNKNOWN	?	9	*
QA55	UNKNOWN	?	9	*
QA56	UNKNOWN	?	9	*
QA99	UNKNOWN	?	9	*
QD01	UNKNOWN	?	9	*
TV11	UNKNOWN	?	9	*
TV12	UNKNOWN	?	9	*
TV13	UNKNOWN	?	9	*
YA02	UNKNOWN	?	9	*
YA03	UNKNOWN	?	9	*
YE01	UNKNOWN	?	9	*
YH01	UNKNOWN	?	9	*
YK01	UNKNOWN	?	9	*
YQ01	UNKNOWN	?	9	*
YU01	UNKNOWN	?	9	*
YU02	UNKNOWN	?	9	*

NSC NORFOLK LOCAL UNIQUE PROGRAMS

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
A-FH23	LATE SHIPMENT ANALYSIS	A	4	*
A-FH83	SCAN FOR TOP 50 CUSTOMERS	A	6	*
A-FH84	PRINT TOP 50 CUSTOMERS	A	6	
A-HA01	POS FILE MAINT/EXCEPT TRACKING	A	8	*
A-HA02	POS EXCEPTION TRACKING REPORT	A	4	
A-HA03	POS FILE PURGE	A	8	
A-HA04	SCAN CONSOL T/L COG CZ	A	6	*
A-HA05	POSTED POS REPORT	A	4	
A-HA06	CTRL SPECIFIC IPG I/II EXCEPT	A	4	
A-HA09	LABEL PRINTING PROGRAM	A	7	*
A-HA10	SCAN RS FOR SELECT UIC RO/NSO	A	6	
A-HA11	APL/AEL PROCESSOR REPORT	A	4	
A-HA12	IMRL CARD CONVERSION	A	2	*
A-HA13	OVERAGE DOCUMENT REPORT	A	4	*
A-HA14	SERVMART CATALOG DB MAINT	A	8	*
A-HA15	SERVMART CATALOG PRINT PRG	A	7	
A-HA16	CRASP RECON OF UMSF/MRB	A	2	*
A-HA17	PSF FILE MAINTENANCE	A	8	*
A-HA18	CRASP INTERIM HISTORY FILE RPT	A	4	
A-HA19	CRASP/DCF RECONCILIATION	A	2	
A-HA20	PRF/RDF RECONCILIATION	A	2	
A-HA24	UNKNOWN	A	9	*
H-HAAA	INCOMING AUTODIN SCREEN	H	2	*
H-HAAB	OUTGOING AUTODIN TIR	H	4	*
H-HAAC	AUTODIN UTILITY	H	2	*
H-HAAD	GEN AUTODION TRANS HIST TAPE	H	1	*
H-HAAE	FINAN AUTODIN COLLECTION O.P.	H	4	*
H-HAAF	AUTODIN CLEAN-UP	H	2	*
H-HAAG	AUTODIN-CONV. TRANSMISSION	H	1	*
H-HAAH	PROCESS DAAS TRAFFIC FOR OLA	H	1	*
H-HADT	COPY PRINT B/U FILES TO TAPE	H	1	*
H-HAEA	MANPWR MACH UTILIZ MO RPTS	H	4	*
A-HAHN	QUE CD IMAGES TO SUPSTAR P95	A	1	
D-HAHS	SELECT UIC RECS FM CRASP MAST	D	2	
H-HAHV	PUNCH FILE TRANSFER	H	1	*
H-HAHW	TRANS LEDGER INTEGRITY CHECK	H	1	*
B-HB01	CLASS 207/224 SHIP OFF LOAD	B	0	*
B-HB02	RECEIPTS NOT FROM DUE RPT	B	4	*
B-HB04	MIT MONEY VALUE EXTENSION RPT	B	4	*
B-HB05	REPORT OF DISCREPANCY	B	4	
B-HB06	PROCESS UA51D PUNCH FILE	B	1	*
B-HB07	WEEKLY TRANSHIP/SHIPPER RPT	B	4	
B-HB09	MONITOR DLA RETAIL RECEIPTS	B	4	*
B-HB10	MATCH/PRINT 2 RECEIPTS & DUES	B	4	*
E-HBAC	TRANSACTION FINAN .AL EDIT	E	5	*
E-HBAE	FIC SELECT NSY PHN SID P	E	9	*

NSC NORFOLK LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
F-HBAF	PUNCH DETAIL BILL SUPS CARDS	F	7	*
F-HBAG	MATCH UF41N FILE TO HNBBJ FILE	F	3	*
F-HBAH	SELECT 9D/9M COG FOR NSF RPT	F	6	*
C-HC02	SCAN NIF FOR RECS TO ADD FFF	C	6	*
C-HC03	NAVADS CREATE Z98 TYPE 1 REC	C	2	*
C-HC04	ON-LINE QUICK PICK	C	0	*
C-HC06	QUICK PICK DAILY REPORTS	C	4	
C-HC07	QUICK PICK MONTHLY REPORTS	C	4	
C-HC10	GROUP II/III UIC HOLD TABLE	C	2	
C-HC18	UNKNOWN	C	9	*
C-HC90	FBM SHIPMENT LISTING	C	7	
G-HCAB	PLANT ACCOUNT MASTER UPDATE	G	8	*
G-HCAC	PLANT ACCOUNT PULL PROGRAM	G	6	*
G-HCAF	CMP/TMP MONTHLY AND MO TO DATE	G	4	*
G-HCAH	NAVCOMPT 2127 REPORTS	G	4	*
G-HCAL	PLANT ACCOUNT UPDATE WEEKLY	G	8	*
G-HCAP	SELECT NAVELEX RECORDS	G	6	*
G-HCAQ	IDA ZNI FROM NSF	G	2	*
G-HCAS	SUMMARIZE COSAL OB REQUISITONS	G	4	*
D-HD01	DEMAND HISTORY REPORT	D	4	
D-HD02	QTRLY DEMAND HIST REPORTS	D	4	
D-HD03	UPDATE DEMAND MASTER TAPE	D	8	
D-HD04	SELECT UJ70D1 SEPARATE FILES	D	2	
D-HD05	RSF/DHF SCAN FOR N00181/N65887	D	6	
D-HD06	APPROVED PURCHASE PACKAGES RPT	D	4	*
D-HD07	UNKNOWN	D	9	
D-HD08	UNKNOWN	D	9	*
F-HDAC	NSF UNCOMMITTED AUTHORIZATION	F	4	*
F-HDAG	INCOMING AUTODIN-IDB	F	2	*
G-HDAH	SORT LIST PUNCH UA44D	G	7	*
G-HDAJ	SORT LIST PUNCH UA45D	G	7	*
G-HDAK	LIST JOB ORDER BY COST ACCOUNT	G	6	
G-HDAL	OVERAGED UNMATCHED EXPENDITURE	G	4	
G-HDAM	LIST OF 1080 ZNW	G	7	
G-HDAN	SELECT OVERAGE CONSIGNMENTS	G	6	*
G-HDAP	CANCEL OVERAGED CONT ON COSAL	G	0	*
G-HDAQ	LIST OVERAGE CONSIGNMENTS	G	6	
G-HDAR	NRMC JOB ORDER SUMMARY FILE	G	8	*
G-HDAS	NRMC PUNCH J O SUM CARDS	G	7	*
G-HDAV	UPDATE AND CORRECT FRINGE	G	8	*
G-HDAW	AUTOMATED FRINGE PROCESSING	G	2	*
E-HE01	SELECT NETC NPORT REC FOR DSSR	E	6	*
G-HEAA	UPDATE MILITARY MASTER	G	8	*
K-HEAC	BOND PARTICIPATION LISTING	K	6	*
K-HEAD	SORT/LIST 6R, 6S, 6T, 6U, 6W	K	3	*
K-HEAE	PRINT NSC EMPLOY BY LMC/WORK	K	6	*

NSC NORFOLK LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
K-HEAG	PAYROLL BALANCING	K	0	*
K-HEAK	PWC QTRLY PAYROLL LEAVE CARDS	K	7	*
K-HEAQ	PRINT MER ACCOUNTING TRAILERS	K	7	*
K-HEAR	LIST PA/PD EMPS FOR FY JO CHG	K	6	r
G-HEAT	CREATE MILITARY COST EXCEPTS	G	2	*
G-HEAU	UPDATE MILITARY MASTER	G	8	*
K-HEAW	RECON OF HEALTH BENEFITS	K	2	*
G-HEAX	BIWEEKLY CIVLABDIST	G	4	*
K-HEAZ	HEALTH BENEFITS RECON	K	2	*
K-HEBA	SORT NARF CMC TAPE FOR INPUT	K	3	*
K-HEBC	ENVIRONMENTAL PAY LISTING	K	7	*
K-HEBD	SELECTED TAX EXEMPTION LIST	K	6	*
K-HEBE	ANN RETIRE RECON CARD LIST	K	7	*
F-HF01	SELECT 9D/9M FOR NSF RPT UF34J	F	6	*
F-HF02	CREATE ISSOP FD2 AND PROJ LIST	F	7	*
F-HF03	SEPARATE UF27D FILE	F	2	*
F-HF04	NAFC BILLING CONTROL FILE	F	8	*
Z-HFAS	PRINT MPR SUM BY PAY PLAN	Z	6	
Z-HFAW	RETIREMENT PAY CALCULATIONS	Z	2	*
Z-HFAY	ANNUITY CALCS AND EVALUATION	Z	2	*
Z-HFAZ	CPD MANPOWER CODE LISTING	Z	6	
Z-HFBA	PROJ TWO YR RETIRMT ELIG RPT	Z	4	
Z-HFBB	PRINT QTRLY MINORITY SUMMARY	Z	4	*
Z-HFBD	MPR - LIST EMPLOY BY UIC/DEPT	Z	6	
Z-HFBE	LIST NSC EMPS UNDER VRA PROG	Z	6	
Z-HFBF	LIST OF WL/WG/WD EMPS FOR NSC	Z	6	
Z-HFBG	PERSONNEL LISTING BY SSN	Z	6	
Z-HFBH	SUPPORT LIST TO ID EMPLOYEES	Z	6	
Z-HFBI	EMPLS ELIG FOR PERF APPRAISAL	Z	6	
Z-HFBJ	FIREFT/LWE OFF RTIREMT ELIG	Z	6	
Z-HFBK	DETAIL PERS LIST IN ALPHA SEQ	Z	6	
Z-HFBL	PERS LIST BY DEPT TITLE/CODE	Z	6	
Z-HFBM	EMPS RETIRED FM MIL SERVICE	Z	6	
Z-HFBN	EMPS BY LAST FOR DIGITS OF SSN	Z	6	
G-HG02	SORT/LIST LABOR ADJ CARDS	G	3	*
G-HG03	SORT/LIST 189 LABOR ADJ CARDS	G	3	*
G-HG04	CREATE NAVELEX/NAVMASSO WEEKLY	G	4	*
G-HG05	SELECT NAVELEX JOB COST RECS	G	6	*
G-HG06	UNKNOWN	G	9	*
G-HG07	UNKNOWN	G	9	*
G-HG08	UNKNOWN	G	9	
J-HGAA	PRINT DD1348-1 DOCS	J	7	*
C-HGAD	HOTLINES SORT	C	3	*
J-HGAD	HOTLINES SORT	J	3	*
J-HGAG	ESTAB/UPDATE TRANSSHIP FILE	J	8	*
B-HGAJ	PURGE/PRINT RPTS TRANSHIP FILE	B	7	*

NSC NORFOLK LOCAL UNIQUE PROGRAMS (CONT'D)

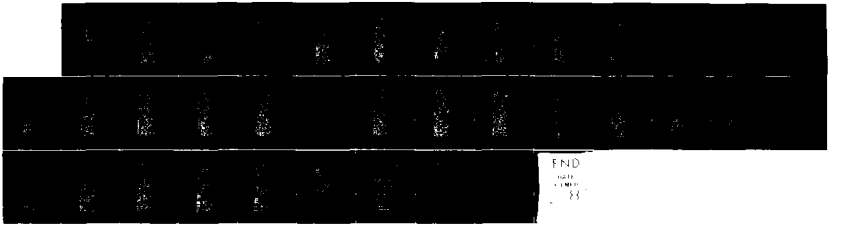
PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
J-HGAK	TILT TRAY SORTER	J	2	*
C-HGAN	BUILD FLEET FREIGHT FILE	C	8	*
C-HGAP	MAINTAIN FLEET FREIGHT FILE	C	8	*
C-HGAQ	FLEET FREIGHT FILE INVENTORY	C	6	*
H-HH01	CREATE MR FRZ CODED ITM FILE	H	8	*
H-HH07	CRITICAL SERVMART ITEM RPT	H	4	*
H-HH09	NAVY RELIEF FUND PROCESSING	H	0	*
H-HH10	OUTGOING SCREEN OLA	H	2	*
H-HH12	SCAN MSIR FOR MED MATL RECORDS	H	6	
H-HH17	9 ACCT 9Q NIS/NC REQ REPORTS	H	4	*
H-HH20	MSSR SCAN COG 5/9 W/INT REP=1	H	6	*
H-HH21	UNKNOWN	H	9	
H-HH22	COMPUTE ANNUAL DMD FREQUENCY	H	2	
H-HH23	ANN DEMAND FREQ LISTING NISTAR	H	6	
H-HH24	DEMAND FREQ SUMMARY RPT	H	4	*
H-HH25	MSIR SCAN ITEMS >=$100K W/OHQ	H	6	
H-HH26	MSIR INQUIRY - DLA RETAIL LEV	H	6	*
H-HH27	WEEKLY DUE REVIEW LIST	H	6	
H-HH28	DLA CONVERT HNCFP1 MGMT	H	2	*
H-HH30	MSIR SCAN-VAR NSO ITEM RPTS	H	6	
H-HH33	UNKNOWN	H	9	
H-HH34	UNKNOWN	H	9	*
H-HH35	UNKNOWN	H	9	*
H-HHAE	2F, 2S, 2J SORT FOR UB48 TAPE	H	3	*
H-HHAF	MHE SKED UPDATE	H	8	*
H-HHAG	MHE MASTER REGISTER	H	8	*
I-HHAH	INVENTORY ADJUSTMENT REPORT	I	4	*
D-HHAM	TOTAL WARD-COPY MSIR FILE EXTR	D	2	
R-HHAN	LIST OF REPAIRABLES NOT STORED	R	6	*
B-HHBL	LATE RECEIPT RPT BY BLDG/FLOOR	B	4	*
B-HHBM	ZRB/ZRC LOCATION VALIDATION	B	2	*
B-HHBN	MATL REPAIR PROC TIME ANAL RPT	B	4	
B-HHBS	PRODUCE STORED RECORDS REPORT	B	4	*
I-HI20	INV REV/ADJMTS CHEATEM	I	8	*
I-HI22	MSIR LIST BY PRI LOCATION	I	6	*
I-HI23	Z8L INVENTORY NOTIF REPORT	I	4	*
I-HI24	ILAP/LOGMARS INTERFACE	I	1	*
I-HI25	INVENTORY STAT REPORTS	I	4	*
I-HI26	MSIR SCAN TO PRINT/PUNCH PHINC	I	6	*
I-HI27	UNKNOWN	I	9	*
I-HI28	UNKNOWN	I	9	
I-HI29	UNKNOWN	I	9	*
I-HI30	UNKNOWN	I	9	*
J-HJ1A	MERGE INPUT TO XJ2C NAVADS	J	2	*
J-HJ1C	SCAN NAVADS ISSUE FILE	J	6	
J-HJ1D	WORKLOAD SUMMARY PLANNING RPT	J	4	*

NSC NORFOLK LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
J-HJ1E	MERGE XJ2CJ1/XJ2IJ1 TAPE TO 1	J	3	*
J-HJ1F	UNKNOWN	J	9	*
J-HJ1H	UNKNOWN	J	9	*
J-HJ40	ACF VS ASIF NON SIG MATCH	J	3	*
J-HJ60	ATCMD STATISTICS	J	4	*
J-HJA1	MAC MONTHLY SHIP SUM BY TCOM	J	4	*
J-HJA2	PRINT MTMC RECORDS	J	7	*
J-HJA3	AIR CLEARANCE ETA	J	8	*
J-HJA4	SUMMARY RPT XACFP1 MAC SHPMTS	J	4	*
J-HJA5	SUMMARY REPORT BY CRT	J	4	*
J-HJA6	BURLINGTON NORTHERN REPORT	J	4	*
J-HJA7	RECREATE XCTFP1	J	1	*
J-HJA8	TRANS PROTECT SERVICE REPORT	J	4	*
J-HJA9	MONTHLY AIRFORCE BILLING	J	4	*
H-HJAA	SERVMART REPORTS	H	4	
J-HJB1	NATADS FILES MAINTENANCE	J	2	
J-HJB2	QTRLY TRANS PROTECTIVE SERVICE	J	4	*
J-HJB3	UNKNOWN	J	9	*
K-HK01	LEAVE USAGE STATISTICS	K	4	*
K-HK02	EMPLOYEE QTRLY GROSS EARN RPT	K	4	*
K-HK06	ZPL/ZPM SORT/SUPPRESS UPDATE	K	8	*
K-HK10	PDQ STATISTICS	K	4	*
K-HK11	BIWEEKLY INDEBTEDNESS LIST	K	6	*
K-HK12	PMER TAX INFO LISTING	K	6	*
K-HK13	PRODUCE PAYROLL LISTINGS/CARDS	K	7	*
K-HK16	CREATE SELECTED PERSONNEL TAPE	K	1	*
K-HK17	RECONCILE PAYROLL/PERS RECORDS	K	2	*
K-HK18	COMPUTE/PRINT AVG HR RATE BY G	K	4	*
K-HK20	SORT/LIST GROSS PAY FOR NRMC	K	3	*
K-HK25	TOTAL NONPAY HOURS LISTING	K	6	*
K-HK26	NRMC LWOP REPORT	K	4	*
K-HK27	LEAVE USAGE STATS - NAVMTO	K	4	*
K-HK28	ANALYZE STATUS OF FILL ITEMS	K	6	*
K-HK29	CREATE NEW MASTER FILE TAPE	K	[illegible]	*
H-HKAB	MINIMIZE AUTODIN LOAD	H	[illegible]	*
A-HKAG	COMPUTE EMV/PRINT/PUNCH DMD IT	A	[illegible]	*
A-HKAL	CRASP LOAD SORT PRINT	A	[illegible]	
A-HKAM	GENERATE CRASP NOMAD HEAD CARD	A	[illegible]	
A-HKAN	PUNCH HDR INFO CRASP MATL CARD	A	[illegible]	
A-HKAU	PROCESS FREE FLOW AOA REQ	A		
A-HKAV	CRASP UTILITY	A		
H-HKBD	RS SCAN FOR DT [illegible]	H	[illegible]	
H-HKBF	REQUISITION L4Q REPORT	H	[illegible]	
K-HKBG	GEN RECPT TIME/TOBS WK ANAL RP	K	[illegible]	
A-HKBM	2V EXCEPTION PROC PARPORTX	A		
A-HKCD	LIST GBP I ISSUES OVR 5 DAYS	A		

AD-A181 992 NAVY STOCK POINT LOCAL UNIQUE COMPUTER PROGRAMS: AN ANALYSIS FOR TRANSIT..(U) NAVAL POSTGRADUATE SCHOOL MONTEREY CA J A PEARSON MAR 87 2/2

UNCLASSIFIED F/G 5/1 NL



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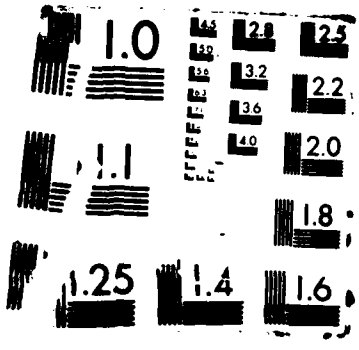
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NSC NORFOLK LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
A-HKCG	PRODUCE DELINQ POS REPORT	A	4	
H-HL06	TAB CNC FILE	H	8	
C-HLCA	ANALYZE STATUS OF FILL ITEMS	C	6	
C-HLCB	CREATE NEW MASTER FILE TAPE	C	2	*
C-HLCC	PRINT VAL OF FILL MATL LIST	C	6	*
C-HLCD	UPDATE MAS FILL TAPE PRINT CNC	C	8	*
H-HLCG	SUMM RS DMD DATA PRNT SUMMARY	H	4	*
B-HLEB	SORT/LIST UA51K1 DELAYED RECPT	B	3	
B-HLEC	FIND EMPTY STACKER LOCATIONS	B	6	*
C-HLFA	EXPAND PWRS ASSET TAPE	C	2	*
M-HLGA	SOAP-PUNCH DISPOSAL CD PRINT M	M	7	*
M-HLGB	SOAP PHASE 2	M	0	*
M-HLGC	SOAP EXCESS PROCESSING	M	0	*
M-HLGD	SOAP-PHASE 3 SHORTAGE TAPE	M	2	*
A-HLGE	LIRSH PROCESSING	A	6	*
M-HLGG	SOAP EXCESS D6A/XR1	M	7	*
M-HLGH	SOAP INVENTORY AIDS	M	7	*
C-HLHA	OFFLINE STOCK PROCESSING	C	2	*
A-HLHB	REQ HISTORY PURGE LISTING	A	7	*
C-HLHC	REFERRAL ORDER CONVERSION	C	2	*
H-HLHD	LISTING OF DECENTRALIZED ITEMS	H	6	*
H-HLHE	MONTHLY RPT OF BKORDERS/DUES	H	4	*
H-HLHF	MONTHLY RPT OF B/O BY A/COG	H	6	
H-HLHG	PRINT PWRS LISTING	H	7	*
H-HLHH	CREATE TOTAL ITEM TAPE	H	2	*
H-HLHJ	PROVISION BAL/DUE LISTING	H	6	*
H-HLHK	NAVY RETAIL/LOCAL MANAGE ITEMS	H	6	
C-HLHL	PRINT PWRS PROJ STATUS RPT	C	4	*
C-HLHM	PWRS STRATIFICATION-FMSO COGS	C	6	*
H-HLHN	MSIR SCAN 1I COG L MCC	H	6	
N-HLHP	ARSS/TOSS UTILITY	N	2	*
H-HLHQ	SCAN LOCALLY MANAGED ITEMS	H	6	*
I-HLHR	PRODUCE HIVAC INV CARDS ZSG	I	7	*
C-HLHS	SORT PR STRATIFICATION	C	3	*
H-HLHT	SCAN FOR O/H WITH SKELETON LOC	H	6	*
N-HLHV	PUNCH TOSS STATION USE CARDS	N	7	
H-HLHW	SCAN MSIR TAB DMD FREQUENCY	H	6	*
H-HLHX	UTILITY SCAN	H	2	*
M-HLHY	INACTIVE SHIPS SUPPLY OVERHAUL	M	0	*
M-HLHZ	PRNT INACSHIPS SUP OVHL RPT	M	7	
H-HLJA	PUNCH MSIR LOCATION CARDS	H	7	*
R-HLJB	NRFI EOM PROCESSING	R	4	*
H-HLJC	PRNT DMD FREQUENCY BY LOCATION	H	6	*
C-HLJE	SCAN MSIR FOR FRZ CODED ITEMS	C	6	*
H-HLJG	RACON MSIR ON NIIN OUTPUT TAPE	H	1	*
H-HLJI	SINR INTERCEPT AND REFORMAT	H	5	*

NSC NORFOLK LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
C-HLJJ	LIST NF STATUS BACKORDERS	C	6	
H-HLJK	UPDATE TRANS LEDGER FILE	H	8	*
H-HLJL	TRANS LEDGER FILE INQUIRY	H	6	*
H-HLJM	PURGE TRANS LEDGER FILE	H	8	*
I-HLJQ	CREATE/UPDATE LOC RECON FI	I	8	*
I-HLJR	LOCATE RECON FILE REPORT/PURG	I	8	*
R-HLJS	SCAN JR02J & CREATE GRU/LOC	R	6	*
R-HLJT	PRODUCE ZUA-LISTING W/CON CODE	R	7	*
D-HLJV	CLASSIFIED SECURITY - CODE MSI	D	2	
H-HLSA	PILFERABLE ITEM SCAN	H	6	*
J-HMAA	HHG EDIT AND VALIDATE	J	5	*
J-HMAB	HHG FINANCIAL REPORT	J	4	*
J-HMAC	HHG PURGE	J	8	*
J-HMAD	LIST HHG RENEWALS OVER 4 YEARS	J	6	*
J-HMAE	ANNUAL HHG ACCTG UPDATE	J	8	*
J-HMAF	JHHG PRINT CONTRCT RATE LIST	J	7	*
Q-HNAA	SKELETON DOCUMENT PRINT	Q	7	*
Q-HNBA	PURCHASE MGMT DAILY UPDATE	Q	8	*
Q-HNBB	PURCHASE MGMT MONTHLY RPTS	Q	7	*
Q-HNBE	PURCH MGMT QTRLY CUST UIC LIST	Q	6	
Q-HNBF	WKLY/MO PURCH RESPONSIVE RPTS	Q	7	
P-HP02	UNKNOWN	P	9	
P-HP03	UNKNOWN	P	9	
P-HP04	UNKNOWN	P	9	*
P-HP05	UNKNOWN	P	9	*
Q-HQ01	PUNCH SKEL NARF PURCH PACKAGES	Q	7	*
Q-HQ02	PRINT NARF PURCHASE RECORDS	Q	7	
Q-HQ03	PRINT PURCHASE RECORDS (RSF)	Q	7	
Q-HQ04	BUYER CODE 32 & 33 LISTING	Q	7	
R-HR01	STRATIFIED ZUN/ZUA REPORT	R	7	
R-HR02	FILE DUMP PROGRAM	R	2	*
R-HREA	SCAN MISR FOR SELECTED SMICS	R	6	
J-HRJM	CONVERT TAPES FOR MAILING	J	1	*
Z-HZ03	REDUCTION IN FORCE LISTING	Z	6	*
Z-HZ04	SUPERVISORY CODE REPORTS	Z	7	
Z-HZ06	PADS PROCESSING	Z	8	*
Z-HZ07	PRINT LISTING OF GRD SUPERS	Z	6	*
Z-HZ08	20/30/40 YR SERV AWARD LIST	Z	6	*
Z-HZ09	PERSONNEL TENURE SUMMARY LIST	Z	6	*
Z-HZ10	HANDICAPPED EMPLOYEES LISTING	Z	6	
Z-HZ11	NATIONAL GOALS PROGRAM	Z	0	*
Z-HZ12	ALPHA PERSONNEL LISTING	Z	3	
Z-HZ13	PRINTED DETAIL EMPLOYE HISTORY	Z	7	
Z-HZ14	PUNCH PADS/PAY ADJ CARDS	Z	7	*
Z-HZ15	PRINT AGE/SERV/GRADE LISTING	Z	4	*
Z-HZ16	TAB NSC EMPLOYEES BY SALARY	Z	6	

NSC NORFOLK LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
Z-HZ18	SCAN UC75N1 FOR SUPPORT WG/GS	Z	6	
Z-HZ19	SCAN UC71N1 SUPP AFIRM ACTION	Z	6	
Z-HZ20	EMPLOYEE/TRAINEE LIST BY UIC	Z	6	
Z-HZ21	EMPLOYMENT CODE LISTING	Z	6	
Z-HZ22	UPWARD MOBILITY TRAINEE LIST	Z	6	
E-JE01	UNKNOWN	E	9	*
R-JL04	UNKNOWN	R	9	*
R-JR01	UNKNOWN	R	9	*
R-JR02	UNKNOWN	R	9	*
R-JR03	UNKNOWN	R	9	*
R-JR04	UNKNOWN	R	9	*
R-JR06	UNKNOWN	R	9	
R-JR07	UNKNOWN	R	9	*
R-JR08	UNKNOWN	R	9	*
R-JR09	UNKNOWN	R	9	
R-JR11	UNKNOWN	R	9	*
R-JR16	UNKNOWN	R	9	*

NSC PEARL HARBOR LOCAL UNIQUE PROGRAMS

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
C205	NAS/PWC FUEL MSTR UPDATE	L	8	*
C206	PLANT PORPERTY MSTR UPDATE	L	8	*
C207	PLANT PROPERTY MSTR LST	L	7	*
C20I	CARD TO DISK SORT	L	1	*
C20J	IFAR MONTHLY MAIL	L	7	*
C20K	IFAR MONTHLY PROCESS	L	0	*
C20Q	UNKNOWN	L	9	*
C20S	PLANT PROP MSTR SERIAL #	L	7	*
C20T	PLANT PROP MSTR ORGANIZAT	L	7	*
C20U	PLANT PROP MSTR PE/SCC CD	L	9	
C20V	SRTGEN	L	3	
C20W	SRTGEN	L	3	
C20X	SRTGEN	L	3	
C20Y	NAS/PWC FULE/OIL ERRORS	L	2	*
C20Z	NAS/PWC VALID FULE/OIL	L	5	*
C211	MSIR DUMP	L	6	
C212	MONTHLY FUEL LISTING	L	7	*
C216	MONTHLY MTIF PROCESSING	P	0	*
C218	NAS/PWC MNLY FUEL UPDATE	L	8	*
C21A	PEB/UPDATE/LIST/DUMP	G	8	*
C220	UPDATE FUEL SIX UPDATES	L	8	*
C221	FUEL ISSUES & TOTALS	L	6	*
C223	WKLY FUEL STK RECORD UPDA	L	8	*
C225	UNKNOWN	H	9	*
C226	BP LOCAL REFERRAL	C	0	*
C227	SERVMART TALLIES	L	6	*
C228	SERVMART VALUE LIST	L	6	*
C229	OPERATING BUDGET DETAIL	G	4	*
C22A	PRELIMINARY FLIGHT REPORTS	L	4	*
C230	OPERATING BUDGET SUMMARY	G	4	*
C244	UNKNOWN	U	9	*
C250	CREATE SERVMART TAPE	N	2	
C253	WORK UNIT REPORT	L	4	*
C254	EDIT MACH UTIL RPT	L	4	*
C255	MACHINE UTIL REPORT	L	4	*
C256	KEYPUNCHERS PROD STATS	L	4	*
C258	SRTGEN	L	3	
C259	SRTGEN	L	3	
C265	WKLY RDF DUMP COG/NSN SEQ	B	6	
C266	INV GAINS/LOSSES LISTING	I	6	
C267	BP MATR TOTALS BY COG	R	6	
C268	INQUIRIES FOR NIS ITEMS	H	6	*
C273	EXTRACT N S O REQUIREMENTS	H	6	*
C274	N S O LISTING	H	7	*
C27A	CREATE LRCA SHOPPING REPORTS	L	4	
C298	CHNG NOTICE LIST ZSW	P	2	*

NSC PEARL HARBOR LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
C2A0	CREATE CODE 5 CD IMAGE TAPE	G	2	
C2A1	SELECT BPN50 RECORDS	H	6	
C2A2	DCF MATCH/UNMATCH ZQA	H	3	
C2A3	DHF MATCH/UNMATCH ZQA	H	3	
C2A4	DCF RSF DHF RECON REPORT	H	4	
C2A5	R COG TOP MOVER/NEVER OUT	H	6	
C2AA	RSF SCAN	A	6	*
C2AE	STATUS LIST/ASCC RECON	A	5	*
C2AV	SORT DETAIL DMD DATA REC	D	3	
C2B0	PARTIAL TRANSACTION LIST	H	6	
C2D5	TACAMO SUPPLY SUPPORT	D	0	
C2G0	CIV LABOR COMPUTATION	G	0	*
C2H2	PLANNED REQ PROC	L	0	*
C2H3	CONVERT ZYZ TO BPC	D	2	*
C2HA	ADP REPORTS REVIEW	A	4	*
C2M1	DIFM-CT-60 MSTR MAINT	M	8	*
C2N0	BP SERVMART CATALOGUE	N	7	
C2P0	FIXED ALLOWANCE SCAN	P	6	*
C2P1	FIXED ALLOW XREF LIST	L	3	*
C2R0	REFORMAT 3M MATERIAL ISSUE	H	2	
C3F0	VALIDATE UFA5 CARDS	F	5	*
C3HB	GENERATE D6S CARDS	M	7	*
C3HC	ACC & PRINT ROV SUMMARY	F	6	*
C3N0	VALIDATION OF SUBASE TEND	N	5	*
C8A0	CREATE SKELETON ALLOT CDS	L	7	
C8A1	CREATE PAYROLL WORK DECK	K	7	
C8A4	CREATE PMC/MCD TRANS	L	2	
C8A5	PMC TRANSMITTAL LIST	L	7	
C8BD	NC 3060/61 REPORTING	L	4	
C8C0	CONFIRMED DEPOSITS	G	4	
C9AA	UPDATE JOB ORDER MASTER	L	6	
C9AB	PRINT TAB REPORTS PUN REJ	L	7	
C9AC	PURGE CREATE SEL JOB ORD	L	8	
CA01	SORT UA18 STATUS RECORDS	A	3	
CAD0	UNKNOWN	U	9	*
CAE0	PILFERABLE ITEM LIST	A	6	*
CB00	COMBINE UA20J1 TAPES	B	3	
CBB0	RECEIPT RETIREMENT LIST	B	6	
CBB1	DELAYED RECEIPTS PHIII	B	6	
CBB2	RD REPLENISHMENT PATTRN	H	0	*
CBB3	LEVEL I/SUBSAFE RCPT HIST	B	4	*
CBC0	DAILY LATE RECEIPT LIST	B	4	*
CBD2	UNKNOWN	U	9	*
CBD0	SORT/MERGE UA20D1 TAPES	B	3	
CBU8	SCAN/SELECT DUES RD FILE	M	6	*
CC80	MATL MOVEMENT DOC PRINT	C	7	*

NSC PEARL HARBOR LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
CCA1	UNKNOWN	U	9	*
CCA2	UNKNOWN	U	9	*
CCA4	ILO/COSAL REQN	C	0	
CCAO	PASSING REFERRAL CONVERSION	C	2	*
CCBO	TAB NSF TOTALS	C	4	*
CCB1RSF	NIS ITEMS	C	6	
CCC1	IPG II/III DEMAND PROCESS	C	0	
CCEO	UNKNOWN	U	9	*
CCE1	UNKNOWN	U	9	*
CCE2	UNKNOWN	U	9	*
CCE3	UNKNOWN	U	9	*
CD11	DATA CALL LIST	L	7	
CDBO	UA12 DOODAD PHASE 1	D	2	*
CDB2	UA12 DOODAD PH2	D	9	
CDB4	1H DUE VALIDATION	D	0	*
CDB5	1H SUPPL REPLENISHMENT	D	0	*
CDC2	ITEM ESTABLISHMENT PKG	D	0	*
CDC3	REQUISITION PRE-SCREEN	D	0	*
CDC4	NEW ITEM FREQ	D	6	
CDDO	CALCULATE TOP MOVER	H	6	*
CDEO	NASBPT ITEM NSCPH NC RPT	H	4	*
CDE3	WSDC LOAD/UPDATE	D	6	
CDE4	WSDC SUMMARY REPORTING	D	4	
CDE5	NC WSDC ITEMS RTG	D	0	
CDE6	WSDC STATISTIC REPORTING	D	4	
CDE7	SELECT WSDC ITEMS	D	6	
CDFO	NTS NSO LOAD	P	2	*
CDF1	NTS MSIR NSO RECON	P	2	*
CDF2	NTS INDIVIDUAL UPDATE	P	8	*
CDF3	NTS NSO STATISTICAL RPT	R	4	*
CDF4	NTS TLL PROJECT REPORT	H	4	*
CDF5	NTS PROJECT U/D VALID	P	2	*
CEOO	NSF VERIFICATION LIST	F	7	*
CEAO	5 & 9 COG FIN INV SUMM	E	4	
CEBO	WKLY NSF ZSR PROCESSING	F	0	*
CEB1	MONTHLY RECEIPT LISTING	F	6	*
CECO	UNKNOWN	J	9	*
CEFO	INTER DEPT BILLING	F	0	*
CFO2	UNKNOWN	U	9	*
CFO4	UNKNOWN	U	9	*
CFAO	PREPARE EXCON LIST BY FC	E	6	
CFA1	UNKNOWN	U	9	*
CFA2	NSF ALLOT POSTING	F	8	
CFBO	COPY UF16J1 UNL UNBLOCKED	F	2	
CGOO	MIL LAB VAL EXTEND	G	2	
CGO3	VERIF LIST CARD TO TAPE	G	5	

NSC PEARL HARBOR LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
CG04	CREATE J/O CHANGE CARDS	G	7	
CG13	COSAL/VAMOSC LISTING	G	7	
CGA0	GENERATE FY TRANS FOR MAP	G	9	
CGB0	FISCAL STATISTICAL DATA	G	4	
CGB2	COST ACCT LABOR REPORT	G	4	
CGG3	UGLA TRANS DUPE CHECK	G	2	
CGH0	ALLOCATED/DIRECT REIMB RP	G	4	
CGI0	CONSIGNMENT PURGE	G	2	
CGL0	DX VERIFICATION LISTING	G	7	
CGL2	IDA PAYMENTS REVIEW	G	4	
CGM0	MONTHLY HI EXPEND RPT	G	4	
CGN1	FRS REFORMAT	G	2	
CGN2	ACCUMULATE WKLY PBT UGP7I	G	2	
CGQ1	FORMAT PACCT TRANS	G	2	*
CGQ2	UPDATE PAACT MASTER	G	8	*
CGQ3	GEN PACCT REPORT	G	4	*
CGQ4	RECON OF PLANT ACCOUNT	G	0	*
CGQ5	PLANT ACCOUNT PURGE UPDATE	G	8	*
CGQ6	GEN UIC MASTER LIST	G	7	*
CGQ7	PACCT PHY INV UPDATE	G	8	*
CGQ8	PACCT INV EXCEPTION	G	2	*
CGQ9	OUTSTANDING PACCT LIST	G	6	*
CGQA	FORMAT WIP TRANS	G	5	*
CGQB	UPDATE PWF FILE	G	8	*
CGQC	GEN WORK IN PROGRESS RPT	G	4	*
CGQD	GEM WO[JO/MFG LIST	G	7	*
CGQE	WIP PURGE UPDATE	G	8	*
CGR1	GEN J/O MASTER LIST	G	7	
CGS0	EXTRACT NAF MIDWAY IS JC	G	2	
CGT0	CONSOLIDATED TRANS LEDGER	G	2	
CH02	WAREHOUSE LOC POP SCAN	H	8	*
CH11	ZSW DETAIL LISTING	H	7	
CH30	SUPPLY INFO RETRIEVAL RPT	H	4	
CHA0	QTRLY FREQUENCY REPORT	H	4	
CHA1	SORT SEL-MSPR TAPE	H	3	
CHA2	GEN DEMAND TIR CARDS	H	7	*
CHA3	NOT CARRIED ACCOMODATION	H	2	*
CHA4	CUSTOMER DMD STATS	H	4	
CHB0	MSIR DUMP	H	7	
CHBZ	1H COG TOTAL/NSN LIST	H	6	
CHC0	SELECTIVE ITEM MGMT LIST	H	6	
CHD1	NTS PROJ FIN SUMM RPT	H	4	*
CHE0	INQ 9-COG ITEMS	H	6	
CHF0	SITE CODE UPDATE	H	8	*
CHH0	TOTAL ITEM LIST	H	7	
CHI0	DPMIS JOB MASTER LIST	H	7	

NSC PEARL HARBOR LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
CHI1	UPDATE MACH/LABOR MASTER	H	8	
CHI2	B4800 MUI CDS FROM RLOG	H	1	
CHI3	DPMIS VALIDATION LIST	H	7	
CHI4	DPMIS MONTHLY REPORTS	H	4	
CHI5	DPMIS JOB SCHEDULE REPORTS	H	4	
CHI6	MONTHLY A/P LABOR RECAP	H	4	
CHI7	GENERATE DPMIS LABOR DIS	H	4	
CHI8	A/P	H	9	
CHJO	SUBASE TAPE SORT/LIST TLL	H	3	
CHLO	RSF SCAN ISSUE ANALYSIS	H	6	*
CHL1	CUSTOMER DEMAND & EFF RPT	H	4	*
CHL2	IG3 DELAYED ISSUE NOTICES	A	0	
CHL3	SORTED DELAYED ISSUE REPORT	L	4	
CHL5	OPTIONAL SORT	H	3	
CHMO	REQ RESPONSE TIME ANAL	H	4	
CHM1	SRTGEN-NIIN SEQ	M	3	
CHN1	NEW AVCAL DEFICIENCY RPT	H	4	
CHN3	SHOP STORE POE ANALYSIS	D	4	*
CHPO	COURSE DATA UPDATE/LIST	A	8	*
CHP1	EMPLOYEE TRAINING REPORTS	A	4	*
CHP2	ATP SUMMARY BX TRNG TYPE	A	4	*
CHP3	ATP SUMMARY BY CAREER CAT	A	4	*
CHS1	CON DATA ENTRY STAT	H	4	
CHX1	SERVMART TRIAL BAL REPT	N	4	*
CIAO	REWAREHOUSING PROGRAM	B	0	
CIA1	LOC SURVEY ERROR RECON	I	2	*
CIBO	FRO/CHILL INV ADJ RPT	I	4	*
CIBX	Q8H SERIALIZATION	N	2	
CIDO	INVENTORY ADJUSTMENT REPORT	I	4	*
CJOO	LOCAL SORT PROGRAM	J	3	
CKOO	PAYROLL UTILITY	K	2	
CKO1	SORT LEAVE REINPUTS	K	3	
CKO4	CREATE FIN ORG DETAILS	K	2	
CKO8	CREATE TIME/LABOR TAPES	K	2	
CK13	N442J5 FAADCPAC DEDUC FIL	K	2	
CK15	DOWNLOAD MER TO TANDEM	K	1	
CK16	UPLOAD TANDEM TRANS	K	1	
CK20	CREATE PAYCHART	K	4	
CK21	INTERMITTENT REPORT	K	4	
CKA4	PAY RAISE TRANS PREP	K	2	
CKCO	UNPAID ACCRUED ANN LV	K	6	
CKD1	PREPARE FO DETAIL	L	2	
CKGO	PERFORMANCE RATING LIST	K	7	
CKHO	HEALTH BENEFITS ENROL RPT	K	4	
CL50	FACSO F AND G CARDS	L	7	*
CL87	BOND VALIDATION PROG	L	5	

NSC PEARL HARBOR LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
CL88	BOND MASTER UPDATE PROG	L	8	
CL89	BOND REPORT PROGRAM	L	4	
CL90	PWC PBX VALIDATION LIST	L	7	*
CL91	PWC PBX TELEPHONE SYSTEM	L	0	*
CL92	PWC X44 RATE MASTERS	L	2	*
CL93	PWC MONTHLY LEAVE REPORT	L	4	*
CL94	SPLIT GROSSPAYTP/PWC CARD	K	2	*
CL95	PERSONNEL LISTING	K	7	
CLD1	P&P INVENTORY REPORT	L	4	*
CLD1	P&P INVENTORY REPORT	L	4	
CLD2	MATCH DKA & CKE RECORDS	I	3	*
CLD3	PRESERVATION REPORT	L	4	
CLD5	INV ADJ REVIEW	L	4	*
CLN0	SORT ARSS MASTER	N	3	
CLN1	INDEX/REQ NON-PERISHABLES	C	2	*
CLN3	INDEX/REP FRESH PROVISION	L	2	*
CLN6	TAB ARSS ISSUE BY VENDOR	N	6	*
CLP0	SRTGEN ZIP DMPAL LIST	L	3	
CLS1	SERVMART ISSUE SUMMARY	H	4	*
CLS2	RECONCILE/RECOMPUTE	N	5	*
CLS7	INV TALLY CARDS	N	7	
CM15	CREATE RODS REPORTS	B	0	*
CMB0	RD SCAN OVERAGED DUES	M	6	*
CMO1	PRINT PURCHASE IOR DOC	M	7	*
CN03	ARSS DUMP MSTR LIST	N	2	*
CNA0	TRAN RPT FRESH PROV	R	4	*
CNA1	VALIDATE & SORT INPUT	C	3	*
CNA2	PROCESS FROZEN CHILL FRES	C	0	*
CNA3	FRESH PROV OUTPUT	C	7	*
CNA4	CONSL TRANS LEDGER	C	2	*
CNB0	IMMPS MATL RQMTS MATCH	N	3	*
CNB5	NMDL MATCHING NIIN	C	3	
CNX2	ASSET REPORT	N	4	
COMK	LOCAL PROGS INV REPORT	H	4	
COST	BRAN FILE STATS	U	4	
CP01	TAILORED PRICE CHANGE	P	2	*
CPA0	STRATIFICATION OF REPL BO	P	2	
CQA0	MID MONTH PURCH STAT	Q	4	*
CQA1	PURCHASE TRANS LIST	Q	7	*
CQA3	UNKNOWN	U	9	*
CQA4	UNKNOWN	U	9	*
CQA5	UNKNOWN	U	9	*
CQA6	UNKNOWN	U	9	*
CQA8	UNKNOWN	U	9	*
CQAC	PURCHASE STATISTICS REPORTS	Q	4	*
CR01	SORT BP POD TAPE	H	3	

NSC PEARL HARBOR LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
CRA2	REVERSE D7B AUDIT LIST	H	3	
CRA3	DUMP N00604 CZ DEMANDS	H	2	
CRA4	DEMAND RESPONSE TIME	H	4	*
CU10	OPERATORS ERROR	H	1	
CU11	OPERATOR ANALYSIS	H	4	
CU12	JOB ANALYSIS	H	4	
CUA0	TLS-COMBINE LOGS	H	3	
CUA1	TLS-UPDATE	H	8	
CUA2	TLS-SCRATCH AND REPORT	H	2	
CUA3	TLS-FILE MAINTENANCE	H	8	
CUA4	CLS-CYCLE SCRATCH	H	2	
CUB1	360/20 SOURCE MAINT	H	1	

NSC SAN DIEGO LOCAL UNIQUE PROGRAMS

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
KA01	DAILY IPGI ISSUES CONTROL RPT	A	4	
KA02	TOP FIFTY CUSTOMER SELECTION	A	6	*
KA03	TOP 50 CUSTOMERS PRINT	A	7	*
KA04	INCOMING MOV'S	A	0	*
KA05	INCOMING MOV DISTRIBUTION	A	3	*
KA06	UPDATE MOV'S	A	8	*
KA07	OUTGOING MOV'S	A	0	*
KA11	RSF RECS PURGED W/O POS STAT	A	4	*
KA13	NORS CASREP TRACKING REPORT	A	4	*
KA15	REFERRAL PROGRAM	A	0	*
KA17	SECURITY CODE R NIIN REPORT	A	4	*
KA18	CUSTOMER RS FOLLOW-UP	A	0	*
KA20	UNKNOWN	?	9	*
KA21	POS/POD STATISTICAL REPORTS	A	4	*
KA54	INTENS MGMT ITEMS - STOCK STAT	D	6	*
KA60	MSIR NIIN MATCH	P	3	*
KA61	DHF INPUT REPLIM SORT	A	3	*
KA65	PUNCH ZZN FM VAR RANK PROGRAM	H	7	*
KA76	REPAIR COMP PURGE RPT MICROF	R	7	*
KA79	STOCK STATUS POPULARITY	P	6	*
KA87	ZMZ MSIR MICROFICHE	F	7	*
KA96	EPOS PURGED RECEIPTS MICROFICH	N	7	*
KB03	DUES VALIDATION	B	0	*
KB04	SUPP REPLEN REQUISITIONS	B	0	*
KB06	ZNA FOLLOW-UP PROGRAM	B	0	*
KB15	NSF FUNDING TOTALS 207 SHIPS	D	6	*
KB16	MATERIAL LOCATION AUDIT	I	0	*
KB49	MSIR SCAN FOR VAD CAT COUNT	D	6	*
KB51	DELAYED RECEIPT LISTINGS	B	6	*
KB55	MATCH EHF UB50J W/283 MASTER	E	3	*
KB60	RODMIS-ROD HIST FILE EST/UPDAT	B	8	*
KB61	RODMIS-ROD HIST FILE PURGE	B	8	*
KB62	RODMIS-ROD CREDIT BILL HIST	B	8	*
KB63	RODMIS-CRED BILL HIST FILE EST	B	8	*
KB64	RODMIS-SEL/SORT/REPORT RECORDS	B	6	*
KB65	RODMIS-RPT GEN/FILE UPDATE	B	4	*
KB68	SCAN OF RD/MR FILE FOR LATE ST	B	6	*
KB69	LATE STORED ITEMS REPORT	B	4	*
KB90	WEEKLY DUE REVIEW LIST	B	6	*
KB91	MONTHLY R/D FILE DUMP	B	2	*
KB92	NSC SAN DIEGO EFFECT REPORT	H	4	*
KB94	NIS MSIR SCAN	D	6	*
KC01	UNKNOWN	?	9	*
KC03	1348-1 FOR DISP ITEMS MTIS	M	7	*
KC04	MOVEMENT UNIT REPORT	C	4	*
KC05	DRY PROVISIONS EXCEPT PROCESS	C	0	*

NSC SAN DIEGO LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
KC06	IPGI BATCH ON-LINE FILTER PROG	C	2	
KC07	IPGI BATCH RE-FORMAT PROGRAM	C	5	
KC08	OVNIGHT DEL/ROADRUNNER REFORMA	C	5	
KC10	AMHS LOTTING	C	2	*
KC11	AMHS LOTTING REPORT	C	4	*
KC12	AMHS DOCUMENT SPLIT AND SORT	C	3	*
KC16	NAVADS LOCAL INTERFACE & CZ SE	C	2	*
KC19	PO14 DOCUMENT TRANSMIT PROGRAM	C	2	*
KC21	NAVADS NORIS SELECTION	C	2	*
KC22	QUICK PICK INPUT	C	0	*
KC23	QUICK PICK OUTPUT	C	0	*
KC24	DRY PROV PRE-PROCESSOR	C	5	*
KC25	PROVISIONS MAILING LABELS	C	7	*
KC26	UB46/UB47 OUTPUT PROC PROGRAM	C	2	*
KC33	RESPONSE TIME PERF REPORT	A	4	*
KC39	LOST DOCUMENT VERIFY PROG	C	3	*
KC40	DUPLICATE DOC FILE PURGE	C	8	*
KC42	COSAL/SOAP REQ REPORTS	C	4	*
KC43	RETAIL FUEL ISSUES INPUT	C	2	*
KC44	RETAIL FUEL ISSUES REPORTS	C	4	*
KC45	RETAIL FUEL ISSUES 1348-1 DOCS	C	7	*
KC46	PROV MAST NAME/ITEM DECK LOAD	C	2	*
KC47	PROVISIONS PROCESSING	C	0	*
KC50	AMHS RECONSTRUCT PRE-PROCESS	C	2	*
KC81	CASH SALE ISSUES	C	2	*
KC93	PROVISIONS - ASSET STAT CARDS	C	7	*
KC94	PROV - TRANSACTION SORT/EDIT	C	3	*
KC95	PROVISIONS - FILE UPDATE	C	8	*
KC96	PROVISIONS - REPORTING	C	4	*
KD01	LOW FREQUENCY SCAN	D	6	*
KD02	NAS MSPR RANGE ADD	D	2	*
KD03	ITEMS TO REPLEN 60/90 DAYS	D	6	*
KD04	STOCK RELOCATION DECISIONS	D	0	*
KD05	REQ IMPACT ANALYSIS PROG	D	6	
KD06	NSC INVESTMENT LEVEL REPORT	D	4	*
KD07	UNKNOWN	?	9	*
KD09	STOCKAGE AT LONG BEACH	D	0	
KD12	PRELIM REPLENISHMENT PROCESS	D	2	*
KD13	WSDC UPDATE OF DMD MASTER	D	8	*
KD38	PRELIM PROCESS FOR UD39 REPLEN	D	2	*
KD39	PRELIM PROCESS FOR UD39 RANGE	D	2	*
KE01	PLANT ACCOUNT DATA SYSTEM	E	0	*
KE02	SERVMART FINAN DUPE DOC CHECK	E	3	*
KE03	SERVMART FIN DUP DOC PURGE	E	8	*
KE06	OSO RECON OF RECEIPTS	E	0	*
KE11	PLANT ACCT INVENTORY LISTING	E	7	*

NSC SAN DIEGO LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
KE13	UNKNOWN	?	9	*
KE14	FUEL EXPEND & ISSUES	E	6	*
KE94	CONSOL DAILY STMT MICROFICHE	E	7	*
KF01	NSF LIQUIDATION CARDS	F	7	*
KF02	LBNSY/NTF RECONCILIATION	F	0	
KF07	MSIR BACKORDER COG SCAN	F	6	*
KF08	MATL IN TRANSIT SUMMARY	F	4	*
KF10	UNKNOWN	?	9	*
KF11	DUPLICATE RECORDS ON NSF	F	3	*
KF12	INVENTORY ADJ BY FIR	F	3	*
KF15	ZMW ACCUM REPLEN & REFERRALS	F	2	*
KF16	NAVCOMPT 2051	F	7	*
KF17	MAILING LABELS FROM CARD INPUT	?	7	*
KF21	IDB BILLING PRE-PROCESSING	F	2	*
KF23	SUSPENSE BILLING TAPE TO PUNCH	F	7	
KF27	OSO RECONCILIATION	F	0	*
KF28	OSO MASTER Z9R/ZA5 MATCH PROG	F	3	*
KF29	Z9R/ZA5 DOC RELEASE/DELETE	F	2	*
KF34	CREATE ZMW CANC CARDS	F	7	*
KF35	ZLE LETTER CAMPAIGN	F	7	*
KF38	BATCH IDB'S FOR AUTODIN	F	2	*
KF99	NSC CONSOLIDATED TRANSACTIONS	F	2	*
KG01	CHRIS FILE AGING	G	2	*
KG02	GENERATE COSAL MATL OBLIGATION	G	0	*
KG03	ACCUMULATION OF UGD4J1 TAPES	G	2	*
KG04	STRIP UGD4J1 PYMT DATES	G	2	*
KG05	DAILY INTEREST PENALTY TRACK	G	4	
KG07	CONTRACT FILE PRE-PURGE PROC	G	0	*
KG08	IDA CHECK MAIL LABELS	G	7	*
KG09	2074 AND DCF COMPARE ZNW OUTPU	G	3	
KG10	DCF LISTING	G	7	*
KG11	UNKNOWN	?	9	*
KG12	PLANT PROPERTY UPDATE/CHANGE	G	8	
KG13	PLANT PROPERTY REPORTS	G	4	
KG14	PLANT PROPERTY MAINTENANCE	G	8	
KG20	RDT&E OVHD DISTRIBUTION	G	2	*
KG30	NAVELEXSW JOBPOSTFIL SELECT	G	2	*
KG31	NAVELEXSW SELECTED JOB COST	G	6	*
KG32	NPRDC RESEARCH SELECT JOB COST	G	6	*
KG33	NAVSEACENPAC JOBPOSTFIL SELEC	G	2	*
KG34	NAVSEACENPAC SELECTED JOB COST	G	6	*
KG35	PULL RECORDS FOR NPRDC	G	6	*
KG36	PUNCH ZNS TRANS FOR FY UPDT	G	7	*
KG44	LABOR AND FISCAL EXCEPTIONS	G	2	*
KG50	ACCUM TRANSACTION/TYPE RECORDS	G	2	
KG68	FUNDS CONTROL SUMMARY REPORT	G	4	*

NSC SAN DIEGO LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
KG79	UNKNOWN	?	9	*
KG80	CURNT YR ACCOUNT TRANS BY JO	G	6	*
KG81	UNKNOWN	?	9	*
KG82	PWC GROSS PAY TAPE	G	2	*
KG83	CUR YR ACCT TRANS BY JO - OTH	G	4	
KG84	LIST LABOR INPUT	G	7	*
KG85	CONSOLIDATED ACCTG TRANS REGIS	G	3	*
KG87	TOTAL COST BY JOB ORDER FOR BU	G	4	*
KG94	DX SCAN FOR LAPSED APPROP	G	6	*
KH01	STRAT OF SKED INVEN BY LOC RPT	H	4	*
KH05	SCAN FOR SELECTIVE STATUS	H	6	*
KH06	ISSUE/REFUSAL/RECEIPT/POD STAT	H	R	*
KH08	ZEL-ZW STAT REPORT	H	4	*
KH10	ZEL/ZSF/ZRA/ZVD EXCEPTION	H	6	*
KH11	ISSUE STATS REPORT	H	4	*
KH20	BOUNCE BACK ANALYSIS	H	4	*
KH21	MSIR SCAN OUT ZDA LIST	P	6	*
KH22	BA5 SUPP STRAT REPORT	H	4	*
KH23	BA5 FILE MAINT PROGRAM	H	6	*
KH30	LOCAL VERSION UN30 (ABORT/SEL)	P	2	
KH48	TOTAL ITEM REPORTING LIST	H	7	*
KH71	UH71 ITEM EST RPTS & PUNCH	D	4	*
KH72	REVIEW RANGE/ADD ITEMS ESTAB	D	6	*
KI01	INVENTORY TRANS MSIR MATCH	I	3	*
KI02	GROSS MONITARY ADJUSTMENT RPT	I	4	*
KI03	DAILY ZAS AND D9A LISTING	I	7	*
KI04	MECH WAREHOUSE BIN LABELS	I	7	*
KI05	QUALITY ASSURANCE REPORT	I	4	*
KI06	RE-ESTABLISH OF PURGED MSIR IT	I	8	*
KI14	INVENTORY DOLLAR VALUE REPORT	I	6	*
KI15	LOC AUDIT LIST OF UNMATCH ZELS	I	7	*
KI30	PO14 CZ MSIR SCAN	I	6	*
KI31	PO14/MSIR RECON	I	3	*
KJ01	NAVADS NAME & ADD FILE SCAN	J	6	*
KJ2D	NAVADS LOC 1348-1 PRINT PROG	J	7	*
KJ2I	NAVADS IPGI BATCH PRINT	J	7	
KJ2K	NAVADS LOCAL IRFD PRINT PROG	J	7	
KK01	ANNUAL LEAVE COST BALANCE RPT	K	4	*
KK02	QUARTERLY WAGE STATS	K	4	*
KK04	CIVPAY MER ACCOUNTING DATA	K	3	*
KK05	PAYROLL CHECKOFF LIST	K	7	*
KK06	QTRLY LV LISTING PWC/NPPSO	K	7	*
KK07	PRE-NOTIFICATION ADDRESS LABEL	K	7	*
KK10	CIVPAY TIME CARD PREPARATION	K	7	*
KK11	NSC TICKETS	K	7	*
KK15	BI-WEEKLY INDEBT REPORT	K	4	*

NSC SAN DIEGO LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
KK16	PWC LEAVE DATA	K	4	*
KK17	ANNUAL RETIRE CARDS FOR PAYROL	K	7	*
KK18	LIST SELECT PAYROLL TRANS CODE	K	6	*
KK19	PWC TIME CARDS	K	7	*
KK24	QTRLY APPLIED LEAVE LIST	K	7	*
KK25	QTRLY LEAVE LIST	K	7	*
KK26	ORGANIZATION ADDRESSES	K	2	*
KK29	NORTH ISLAND RATE FILE	K	8	*
KK31	EARNINGS TAPE AND LIST FOR NI	K	7	*
KK33	UPDATE ACCT INFO RECORD	K	8	*
KK48	CREATE AUDIT AID MASTER	K	2	*
KK49	SMOOTH ROLL FOR AUDIT	K	7	*
KK50	CALCULATION LISTING FOR AUDIT	K	7	*
KK51	APPLIED LEAVE FOR AUDIT	K	7	*
KK90	CIVPAY CFC PLEDGE CARD PRES	K	7	*
KK92	CREDIT UNION TAPE FOR CHK/ALOT	K	7	*
KK95	MER REFORMAT FOR NIXDORF	K	1	*
KL01	PERSONAL PROP MASTER SORT	U	3	*
KL03	PERSONEL PROP QTRLY BILLING	U	4	*
KL05	PERSONAL PROP MASTER LIST	U	7	*
KL08	CARRIER EVAL MASTER MAINT	U	8	*
KL09	CARRIER EVAL REPORTS	U	4	*
KL10	VALIDATION FOR DETAIL INPUT	U	5	*
KL80	PERSONAL PROP MASTER UPDATE	U	8	*
KM01	80/80 LIST UTILITY	U	2	*
KM02	X84 PROCESSING	M	0	*
KM03	PDZ/PMZ EXCESS PROG - CARRIED	M	0	*
KM04	PDZ/PMZ EXCES PROG - N/CARRIED	M	0	*
KM04	AUTOMATED AFX EXCEPT PROC	M	0	
KM05	PRINT NARF EXCESS DOCUMENTS	M	7	*
KM09	MEDIS - PRE INTER OF MTIS	M	2	*
KM10	MEDIS N/C <$20 DMD MATCH	M	6	*
KM11	MEDIS - PROCESS KMD CARD INPUT	M	2	*
KM12	MEDIS - LOAD LOCAL LOCATION	M	2	*
KM13	MEDIS - MTIS INTER TRANS HOLD	M	2	*
KM14	MEDIS - <$20 STAT REPORT	M	4	*
KM06	CREATE SKEL D6A RECEIPT CARDS	M	7	
KN02	ARSS REPORT PROGRAM	N	4	*
KN03	ARSS FINANCIAL STAT REPORT	N	4	*
KN04	ARSS D6Z EXCESS	N	2	*
KN05	ARSS TRANS REG & NEW ITEM LIST	N	7	*
KN06	ARSS EXCESS OUTPUT PRODUCTS	N	7	*
KN07	ARSS CONSOLIDATED TRANS LEDGER	N	3	*
KN08	ARSS MASTER ZERO ON HAND ANAL	N	6	*
KN33	EPOS MYL INTERCEPTOR PROG	N	2	*
KN34	EPOS RECEIPT DUE SCAN	N	6	*

NSC SAN DIEGO LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
KN35	EPOS CUSTOMER LIST	N	7	*
KN36	SERVMART EXPEND REPORT	N	4	*
KN40	SMSIR PRINT BY VENDOR/U PRICE	N	3	*
KN43	EPOS LABEL REPORT	N	7	*
KN44	EPOS LABEL LIST & SMISR UPDATE	N	8	*
KN45	EPOS LOCAL SCAN MGMT REPORTS	N	4	*
KN50	SMISR/MSIR MATCH FAST MOV ITEM	N	3	*
KN51	QTRLY SMSIR MATCH	N	3	*
KN65	EPOS VAD AND FREQ SCAN	N	6	*
KOPY	UTILITY COPY PROGRAM	U	2	
KP01	SECURITY CODES ITEMS REPORT	P	4	*
KP02	SHPMT DESIG VALIDATE MSIR SCAN	P	6	*
KP03	LOCAL I COG FORMS	P	0	*
KP04	PROCESSING ZSV PURGE NOTIFICA	P	0	
KP05	PROCESSING ZSW/ZSB NOTIFICATIO	P	0	
KP34	CHANGE NOTICE TRANS SORT	P	3	*
KP35	CHANGE NOTICE MASTER UPDATE	P	8	*
KP36	CHANGE NOTICE COM MASTER UPDAT	P	8	*
KP37	CHANGE NOTICE COM MASTER MERGE	P	3	*
KP38	CHANGE NOTICE MASTER SORT	P	3	*
KP39	MONTHLY CHANGE NOTICE TO NARDC	P	7	*
KP41	ADVANCED TRACE & CONTROL PROG	P	0	
KP75	RS PURGED SEGMENT TO COM	A	2	*
KP77	MTIS CONTROL FILE TO COM	M	2	*
KQ49	NAVCOMPT 2035 FOR PURCH ORDERS	Q	7	
KQSP	QUEUE 00 BATCH PROCESS FOR REF	U	2	
KR01	HIGH PRI IN PROCESS ISSUE SCAN	R	6	*
KR02	REPAIR STOW PERF TRACKING	R	4	*
KR09	G-CONDITION LEDGER	R	2	*
KR10	G-CONDITION ESTAB & UPDATE	R	8	*
KR11	G-COND UPDATE HISTORY FILE	R	8	*
KR12	G-COND REPORTS	R	4	
KR13	G-COND QUARTERLY HISTORY RPTS	R	4	*
KR14	G-COND MSIR TAPES	R	2	*
KR15	G-COND RECONCILIATION	R	2	*
KR17	G-COND INQUIRY PROGRAM	R	2	*
KR18	G-COND BACKROBBING REPORTS	R	4	*
KR19	G-COND INVENTORY SCAN	R	6	*
KR20	G-COND GMF/NCF MATCH	R	3	*
KR21	G-COND GMF/RSF MATCH & UPDAT	R	8	*
KR22	G-COND GMF/WIS MATCH	R	3	*
KR23	G-COND HI-BURNER/CLAMP REPORT	R	4	*
KR24	G-COND CROSS REF FILE INQUIRY	R	2	*
KR25	G-COND INVENTORY REPORTS	R	4	*
KR26	G-COND MISC REPORTS	R	4	*
KR61	ZUB PROCESSING	R	0	*

NSC SAN DIEGO LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
KU01	SNAP TAPE REFORMAT	U	1	*
KU02	QUEUE DUMP BY DOC/NSN	U	2	
KU03	NAVY RELIEF LOAD/REPYMT PROG	U	0	*
KU04	MAINT PROG FOR DIST LISTS	U	8	*
KU05	LABEL PROG FOR DIST LISTS	U	7	*
KU06	NISTARS LOADING PROGRAM	U	2	
KU10	INCOMING TX SCREEN PROG	U	2	*
KU30	I-FUNNY NAME FILE ID	U	2	
KU35	SOURCE PROG LIB UPDATE PRELIM	U	8	
KU40	COPY ROUTINE FILE LISTER	U	1	
KU46	MONTHLY RPT OF PROG EXECUTION	U	4	
KU50	B1900 INTERFACE - COLL PKG & T	U	1	
KU51	B1900 INTERFACE - RECEP & ROUT	U	1	
KU52	B1900 INTERFACE - ARCHIVE ANAL	U	1	
KU60	MASTER SKED FILE UPDATE	U	8	
KU61	MONTHLY SKED UPDATE PROG	U	8	
KU62	TASK RUN SHEET	U	4	
KU63	DAILY LATE & COMPLETED REPORT	U	4	
KU64	SPECIAL TASK MASTER DEVELOPMEN	U	1	
KU65	ON-LINE UPDATE MONTHLY SKED	U	8	
KU66	PUNCH TASK MASTER SKED CARDS	U	7	
KU67	TASK MASTER BY FREQ	U	6	
KU68	TASK-ID/PROG NUM CROSS REF	U	3	
KU69	DAILY SKED QUEUING	U	2	
KU70	DAILY SKED REPORT	U	4	
KU71	DAILY SKED DOWNLOAD	U	2	
KU74	UPDATE OF PROJECT STATUS	U	8	
KU75	PROJECT STATUF FILE PURGE PROG	U	8	
KU76	PROJ STATUS MGMT REPORT PROG	U	4	
KU80	TAPE AUTODIN - OUTGOING	U	2	*
KU81	INCOMING AUTODIN TAPE PROCESS	U	2	*
KU82	INCOME/OUTGOING AUTODIN MICROF	U	7	*
KU83	RSF/JOURNAL TAPE MATCH	U	3	*
KU90	TAPE TO TAPE CONVERSION PROG	U	1	
KU91	LOCAL VERSION OF UU91	U	2	
KU99	CARD AND TAPE FILE STACKER	U	1	
KZ01	PERF APPRAISAL MONITOR PROG	Z	0	*
KZ02	CIMS/TIMS PADS CARDS VALIDATIO	Z	5	*
KZ03	CIVPER MGMT REPORTS	Z	4	*
KZ06	EMPLOYEE LOCATION LIST	Z	7	*
KZ09	UPDATE MPR PAY RATES W/MER PAY	Z	8	*
KZ10	CIVPER COMPLEMENT REGISTER	Z	6	*
KZ18	CIVPER AGE/SERVICE YEARS LIST	Z	6	*
KZ20	HEALTH BENE LISTING & LABELS	Z	7	*
KZ45	MASTER PERSONNEL REPORTS	Z	4	*
KZ52	HANDICAP LISTING	Z	7	*

NSC SAN DIEGO LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
KZ55	WITHIN GRADE NOTIFICATION	Z	4	*
KZ61	CIVPER EEO FILE UPDATE	Z	8	*
KZ62	CIVPER EEO REPORT BY ACTIVITY	Z	4	*
KZ70	EEO STATS	Z	4	*
KZ76	CIVPER RETENTION REGISTER	Z	4	*
KZ77	NSC RETIREMENT RPT BY DEPT	Z	4	*

NSC OAKLAND LOCAL UNIQUE PROGRAMS

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
AIEXTR	ACTIVE ISSUE NORM AND SORT	3	3	
AISUM	ACTIVE ISSUE SUMMARY	3	4	
CURHIS	CURRENT HISTORY (SUBROUTINE)	3	6	
DATECN	JULIAN/GREGORIAN CONVERSION	3	2	
DBODD	WRITE DATA BASE ODD CONDITIONS	3	8	
E775	REGISTER 6 + 8 CARDS	G	7	
FA10	SEND ZWR'S TO NISTARS	P	2	
FA13	NORS CASREP STATUS REPT	C	6	
FA15	REFERRAL PROGRAM	C	0	
FA21	POS/POD STAT REPORT	H	4	
FA25	AUTODIN	G	0	
FA80	DUPLICATE DEMAND PROCESSING	C	5	
FA81	INVOICE HISTORY FILE PURGE	C	8	
FA82	NISTARS DUPLICATE CHECK	C	5	
FB03	RDF/RKF RECONCILIATION REPORT	B	6	
FB04	GREEN LINE DAILY REPORT	B	6	
FB09	OSO SPECIAL LISTING	F	7	
FB34	PRODUCE TAPE FROM B5 QUEUE	P	2	
FB47	READ QUEUE DC AND CREATE TAPE	C	2	
FB48	PRINT DZA CARD OUTPUT	H	7	
FC04	Z8L REPORT FOR ICC CHANGE	I	3	
FC10	DEMAND/FREQ	H	6	
FC14	WHSE REFUSALS	H	6	
FC20	INCOMING AUTODIN RECPTS PROC	C	3	
FC25	OUTGOING AUTODIN RECEIPT PROC	C	3	
FC36	AMHS PURGE AND MERGE	C	3	
FC37	AMHS SORT	C	3	
FC40	SUPPLY MGMT REPORT	H	6	
FC66	CRASP PROCESSING STATS	C	4	
FC67	RSF STATISTICS	H	4	
FE03	WEEKLY ACCUMULATION OF PCH	E	8	
FE04	FICL MVO TRANSACTION	E	7	
FE05	MSIR/FICL INTERFACE TRANSACTIO	E	8	
FE37	LOCATION AUDIT PRINT	I	3	
FE53	PRINT OUTPUT FROM UB01	B	4	
FF05	NAME AND ADDRESS LABELS	F	7	
FF26	FUND AUTH CHG NS1162	F	7	
FF71	UPDATE BP34 MASTER FILE	F	8	
FF73	BUDGET PROJECT 34 UPDATE	F	8	
FF83	NS1162 CARDS TO TAPE	F	2	
FG01	CMP/TMP LISTING	G	7	
FG02	COMBINE KD, CARD & TAPE	G	3	
FG03	CONVERT UC69B T STACKED TAPE	G	3	
FG06	FUND RESOURCES MAS FILE LIST	G	7	
FG09	COPY BACKUP ANNUAL RD MASTER	G	2	
FG14	PUNCH CARDS	G	7	

NSC OAKLAND LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
FG16	LIST NRMC LABOR	G	7	
FG17	BALANCE NRMC LABOR PH 1	G	2	
FG20	REIMBURSABLE TRANSACTIONS	G	6	
FG21	TRANSLATE LINOLEX TAPE	G	1	
FG23	GENERATE TRANS FROM APADE	G	8	
FG31	NAVELEX JOB RECDS ON TAPE	G	2	
FG32	COPY NAVCOMPT 2277 BILLING	G	2	
FG33	CREATE USASI LABEL FOR FRS TAP	G	2	
FG34	SELECT NAVELE REC & CREATE WKL	G	2	
FG37	CONSOLIDATE DIF FILE	G	2	
FG44	LABOR EXCEPTION PROCESSING	G	7	
FG47	REIMBURSABLE TXNS FOR 00228 FL	G	2	
FG55	CONVERT ZNP CARDS	G	8	
FG56	VALIDATE RAP TRANS	G	5	
FG59	UMR WORK UNIT REPORT	G	7	
FG69	REVERSE DUP/ERROR UG26J1 TAPE	G	2	
FG87	DAILY ZNI VALIDATION REPORT	G	7	
FGA3	PRODUCE MAILING LABELS IN ZIP	G	7	
FGB8	CHRIS SUMMARY IN CTL NBR SEQ	G	7	
FGD1	VALIDATE UGDA1 INPUT CARDS	G	5	
FGD3	AUDIT LIST OF AUDIT PAYMENT	G	5	
FGF2	PRODUCE TENTATIVE PAYMENT IN	G	5	
FGF3	PRODUCE TENTATIVE PAYMENT	G	5	
FGSS	MERGE TAPES BLKD 10	P	3	
FH17	RECEIPT POST LISTING	B	3	
FH19	COND CODE REPORT	H	4	
FH21	ZDE REPLIES	H	9	
FH23	SHIPPING STATS	H	6	
FH24	RECREATE 1348-1 INVOICE TAPE	C	6	
FH36	DISTRIBUTION IF ISSUE DOCS	C	6	
FH37	NSCO ZNX RECORDS BY SSN	K	7	
FH38	ALL ZNX RECORDS BY SHOP	K	7	
FH40	NC 2035	K	7	
FH42	SELECT RECORDS FOR MSC LABOR	G	2	
FH43	ASS SHOP CODES FOR GROSS PAY	G	3	
FH44	SEL REC FOR PAY TYPE REPORTS	G	3	
FH45	PREPARE PAY TYPE REPORTS	G	7	
FH46	SELECT UTILITIES RECORDS	G	2	
FH48	MSCPAC SALARY LIST	K	7	
FH54	INTENSIVE MGMT LISTING	H	7	
FH55	INTERDEPARTMENTAL CHARGES HIST	F	6	
FH60	MONTHLY TAB "B" REPORT	G	4	
FH62	VALIDATE JOB COST FILE	G	5	
FH75	MSC LABOR REPORTS	G	4	
FH76	MATERIAL TRANSACTION REPORT	G	4	
FH81	COMP OUTPUT PRODUCT REVIEW SYS	G	7	

NSC OAKLAND LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
FH83	TOP FIFTY TAPE	H	6	
FH84	TOP FIFTY REPORT	H	4	
FH95	ALPHA LIST OF EMPLOYEES	Z	7	
FJ23	READ RECORDS FOR CA QUEUE	C	6	
FJ24	DUMP BQF RECS TO FH24A1 TAPE	C	2	
FJ2B	SEPARATE ON-LINE & QUEUE DOCS	C	2	
FJ37	REPORT OF IG I DOCUMENTS	C	4	
FJ38	REPORT OF IG I DOCUMENTS	C	4	
FJ39	REPORT OF IG I NISTARS DOCS	C	4	
FK01	NPPS QTRLY LEAVE	K	7	
FK02	ACCTG TRAILERS PYRL ON MSTR	K	7	
FK04	MSCPAC QTRLY LEAVE	K	7	
FK05	CMP/TMP LABOR CARDS	K	7	
FK06	PWC QTRLY LEAVE	K	7	
FK07	MER LIST BY SSN	K	7	
FK08	NAVELEX EMPLOYEE LIST	K	7	
FK09	SPECIAL TAX EXEMPTIONS	K	7	
FK10	UNPAID ACCRUED LEAVE	K	7	
FK11	EDIT MAR MAINTENANCE TRANS	K	5	
FK12	MAR MAINTENANCE RPTS & ZPX FO	K	7	
FK13	LABOR INPUTS FOR G-SERIES	K	8	
FK14	PRINT VALID ZPX TRANS	K	7	
FK15	PRINT INVALID ZPX TRANS	K	7	
FK16	VERIFY LEAVE AVAILABILITY	K	5	
FK17	UPDATE MAR FROM MER TAPE	K	8	
FK18	PUNCH FY CHANGES FOR MER TAPE	K	7	
FK20	CREATE 911A TIME-CARD TAPE	K	2	
FK21	CREATE PWC MASTER LEAVE TAPE	K	2	
FK23	MSCPAC EMPLOYEE ROSTER	K	7	
FK24	PWC NAME & ADDRESS LISTING	K	7	
FK25	UPDATE & PRINT QTRLY GROSS WAG	K	7	
FK29	PAYROLL EXCEPTOIN BALANCE SHEE	K	7	
FK30	EMPLOYEE ADDRESS LIST	K	7	
FK33	NAVHOSP OLD & NEW UNGRADED	K	7	
FK34	NSCO ZIP CODES	K	7	
FK35	GROSS PAY FOR NAVHOSP	K	7	
FK36	PAY RATES BY LAST NAME	K	7	
FK40	PUNCH MO-END ZNV FRINGE CARDS	K	7	
FK41	NAVHOSP UNGRADED RATES	K	7	
FK44	EMPLOYEE CLASS CODES & CHECK	K	7	
FK45	CREATE MER TAPE FOR FOUR-PHASE	K	1	
FK47	CALCULATE SALARY RATES	K	7	
FK48	REBLOCK MAR TAPE FOR FOUR-PHAS	K	1	
FK53	CREATE MLR TAPE FOR FOUR-PHASE	K	1	
FK58	NON-PRODUCTIVE HOURS REPORT	K	7	
FK75	QTRLY NAVHOSP ALPHA LIST	K	7	

NSC OAKLAND LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
FK98	QTRLY HEALTH ENROLLMENT PAYRO	K	7	
FM75	PROJECTED MSC LABOR RPT	G	4	
FN34	PRODUCE TAPE FROM DA QUEUE	P	2	
FNI1	NISTARS LOAD	3	6	
FNI2	NISTARS LOAD	3	6	
FO11	PWC TIME-CARDS	K	7	
FO13	PWC GROSS PAY TAPE	K	2	
FO14	PWC CMP/TMP CODES	K	7	
FO37	ZERO BALANCE ZEL SELECT	I	3	
FP02	ZSW CHANGE NOTICE PROCESSING	P	0	
FP15	CHECK UNC7P1 FOR AAC ON REFER	C	6	
FP21	1I COG INFO	H	6	
FP25	PRINTS STATUS CARDS	H	7	
FP26	CREATE TAPE FOR MSCPAC W/INCOM	P	2	
FP30	LIST OF "A" COND MSIR	P	6	
FP53	PRINT ZSV FOR EACH LOCATION	P	6	
FR09	RIP REPORT	R	4	
FR14	GSE MATL REQN STAT SUM	R	4	
FR20	NAC # MGMT REPORT	R	4	
FR21	CHANGE KIT MSIR RPTS	R	4	
FR22	NAC-NUM CROSS-REF RPTS	R	4	
FR38	CREATE ZUF FROM ZUA	R	4	
FR43	SORT OUTPUT FROM FH43	G	3	
FSP1	MERGE FW11K5 KEY ENTRY TAPES	2	3	
FSQD	TERMINAL STATS	C	1	
FT52	STOCK REPLENISHMENT	H	4	
FT60	NISTARS ZERO BALANCE	3	6	
FT84	MSIR SCAN	H	6	
FT86	MSIR SCAN - $ VAL	H	6	
FT87	INCOMING AUTODIN TAPE PROCESS	C	2	
FT88	MSIR SCAN - DMDS	H	6	
FT89	INCOMING AUTODIN TAPE UNBLOCK	C	2	
FT94	NSCO TOP CUST	H	4	
FT95	STRATIFY RSF	H	4	
FTA9	IG III SELECT	H	4	
FTB7	QA ON CONS LEDGER	H	5	
FTC5	OPEN BA'S EXCLUDING G	R	4	
FTC6	IG I OPEN BA'S	H	4	
FTC7	REDLINE EIGHT DAY	H	4	
FTD1	CLOSED IG I REQNS	H	4	
FTD6	WEAPONS SYSTEM FILE MAINT	H	8	
FTD7	NARFCAL MGMT	H	4	
FTD8	NARFCAL EFFECTIVENESS	H	4	
FTD9	NARFLINE REPORT	R	4	
FU11	RLOG FILE EXTRACT PROGRAM	1	6	
FU12	LIBRARY REEL DIRECTORY UPDATE	1	8	

NSC OAKLAND LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
FU13	REEL CYCLE RETENTION EXTRACT	1	6	
FU14	REEL DIRECTORY RELEASE AND REP	1	8	
FU15	REEL DIRECTORY FILE MAINT	1	8	
FU16	FILE-ID DIRECTORY MAINT	1	8	
FW06	BUILDS FAAF	2	0	*
FW07	LIST FW11 INPUT CARDS/TAPE	2	0	*
FW08	REMOVE DUP AND UNMATCH RECS	2	0	*
FW09	SORT CORRECTS FOR FW11 IN S	2	0	*
FW10	EDIT SAC 1109 CARDS	2	0	*
FW11	EDIT SAC PARTIAL AND COMPLETE	2	0	*
FW12	UPDATES SHIP NAME AND APL FILE	2	0	*
FW13	SORT SOAP WORK FILE	2	0	*
FW14	SOAP INPUT VERIFICATION	2	0	*
FW15	PRINT CONSOLIDATED EXCEPTION	2	0	*
FW16	STOCK NUMBER CHANGE CROSS REF	2	0	*
FW17	APL DELETE	2	0	*
FW18	SOAP APL REF LIST	2	0	*
FW19	COMPUTE EXCESS/SHORTAGE	2	0	*
FW20	PUNCH STOW LOCATION CARDS	2	0	*
FW21	SOAP SUMMARY CONTROL LIST	2	0	*
FW22	DUE-IN LISTS	2	0	*
FW23	EQUIPMENT ORIENTED SHORTAGE LI	2	0	*
FW25	PROCESS EXCESS/SAVE	2	0	*
FW26	PROCESS EXCESS/SAVE	2	0	*
FW27	PUNCH PICKING TICKETS	2	0	*
FW28	SHORTAGE DIAL PROCESSING	2	0	*
FW29	PREP DD1348 CARDS AND COUN	2	0	*
FW31	CREATE SAVE WORK FILE	2	0	*
FW32	PRINT DIAL MASTER FILE	2	0	*
FW33	UPDATE DIAL MASTER USING SAVE	2	0	*
FW34	CREATE TYCOM SAVE SUMMARY LIST	2	0	*
FW35	CREATE SAVE SUMMARY DD1348-1	2	0	*
FW39	CONVERT H200 SOAP WORK FILE	2	0	*
FW40	DIAL FILE MERGE	2	0	*
FW41	POST OVERHAUL UPDATE	2	0	*
FW42	ISL AND SCIL LIST PROGRAM	2	0	*
FW44	POST OVERHAUL APL REF LIST	2	0	*
FW46	ISSOP INPUT PROCESSING	2	0	*
FW47	ISSOP INPUT SORT	2	0	*
FW48	ISSOP UPDATE AND SUMMARY	2	0	*
FW50	ISSOP SAVE CANDIDATE SELECTION	2	0	*
FW51	ISSOP SORT SAVE CANDIDATES	2	0	*
FW52	ISSOP SAVE RECEIVER SELECTION	2	0	*
FW53	ISSOP CARD AND REPORT GEN	2	0	*
FW54	ISSOP DIAL MASTER UPDATE	2	0	*
FW56	ISSOP DIAL MASTER UPDATE	2	0	*

NSC OAKLAND LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
FW57	PRINT SHF RECORD COUNTS	2	0	*
FW58	DIAL SHF PROCESSING	2	0	*
FW59	ACCUMULATIVE SAVE SUMMARY PROC	2	0	*
FW60	PRINT ACCUMULATIVE SAVE SUMM	2	0	*
FW62	PRINT ACCUMULATIVE SAVE SUMM	2	0	*
FW64	DIAL VERIFICATION	2	0	*
FW67	DIAL STATUS STRAT	2	0	*
FW69	DIAL MAINTENANCE	2	0	*
FW70	PRINT SOAP INPUT FILE UTILITY	2	0	*
FW73	DIAL MAINTENANCE QUARTERLY	2	0	*
FW76	SOAP APL MAINTENANCE	2	0	*
FW77	APL EXTRACT	2	0	*
FW78	APL MAINT DELETE	2	0	*
FW81	CREATE AND UPDATE SCIM	2	0	*
FW82	SHIP NAME FILE MAINT	2	0	*
FW87	CONVERT H200 DIAL TAPE TO BURR	2	0	*
FW90	SHIP NAME FILE DIRECTORY	2	0	*
FW91	EDIT KEY ENTRY TAPE	2	0	*
FW92	CREATE SCIM DISK FILE FROM H2	2	0	*
FY37	LOCATION AUDIT SELECTION	I	3	
FZ01	SSN LIST FOR DISPENSARY	Z	7	
FZ03	ADD LMMC TO UZ04N1 TAPE	Z	8	
FZ04	ANNUAL PERF RATING LIST	Z	7	
FZ06	RETENTION REGISTER	Z	7	
FZ08	POSITION MANAGEMENT SUMMARY	Z	7	
FZ09	MPR RECDS BY WGI-DUE-DT, NAME	Z	7	
FZ10	MONTHLY LOCAL PADS REPORTS	Z	4	
FZ11	SEPARATED EMPLOYEE LIST	Z	P	
FZ12	PWC PERFORMANCE RATING LIST	Z	7	
FZ14	PWC PERSONNEL LIST BY DEPT	Z	7	
FZ15	PWC PERSONNEL LIST BY NAME	Z	7	
FZ17	CHANGE FY ON MPR TAPE	Z	2	
FZ18	PWC FEMALE EMPLOYEES	Z	7	
FZ19	LIST OF SUPERVISORS BY UIC,NAM	Z	7	
FZ21	LENGTH OF SERVICE AWARDS	Z	7	
FZ26	COMBINE COMMISSARIES FOR TIMS	Z	3	
FZ27	RECORDS ON UZ04N TIMS HIST	Z	7	
FZ28	RECDS ON UZ02N TIMS MASTER TAP	Z	7	
FZ31	GENERATE NSCO MINORITY TAPE	Z	2	
FZ32	PRINT MINORITY RECORDS	Z	7	
FZ33	PRINT MINORITY STATS	Z	7	
FZ41	NSCO EMPLOYEES BY SCD	Z	7	
FZ42	EMPLOYEES IN SPEC EMPHASIS PRO	Z	7	
FZ43	TEMPORARY APPOINTMENTS	Z	7	
FZ54	STATS FOR EEO COMMISSION	Z	7	
FZ57	REFORMAT TIMS INPUT	Z	5	

NSC OAKLAND LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
FZ61	CALCULATE RETIREMENT RECORDS	Z	8	
FZ62	PRINT RETIREMENT RECORDS	Z	7	
FZ72	VETERANS BY UIC, LMC, NAME	Z	7	
FZ75	NSCO EMPLOYEES FOR UNION REP	Z	7	
FZ91	MPR RECORDS BY UIC, LMC, NAME	Z	6	
GLM3	BACKORDER REPORT	R	4	
GM40	G-COND TRANS SORT	R	3	
GM41	G-COND ESTAB/UPDATE	R	8	
GM42	G-HIST FILE UPDATE	R	8	
GM43	G-COND REPORTS	R	4	
GM44	G-COMPONENTS/REQN STATUS	R	4	
GM45	G-COND HISTORY	R	4	
GM46	G-FILE RECON	R	3	
GM47	G-COND MATL	R	4	
GM68	G-MSIR RECON	R	3	
GM71	G-COND BACKROBBING	R	3	
HB02	NOT FROM DUE RECEIPTS	B	6	
HISTOR	NISTARS SELECTED HIST DUMPS	3	6	
HJ1C	SCAN NAVADS ISSUE FILE	C	6	
HLJK	TLOD LOAD	H	8	
HLJL	TLOD INQUIRY	H	6	
HLJM	TLOD PURGE	H	8	
HTDISK	NISTARS CONSOLIDATED HIST	3	6	
LH58	DUE VALIDATION-1H PULL/DLR	B	6	
LH70	1H PULL/DLR SUPMNTL REPLEN	B	6	
LZ15	9Q DEMAND AVAILABILITY	[illegible]	6	
NRWH01	EMK TAPE PROCESSING FOR REWARE	3	2	
NRWH02	SCHEDULE ITEMS FOR INVENTORY	3	8	
NRWH03	UPDATE REWAREHOUSING TRACKING	3	8	
NRWH0A	REWAREHOUSING NSN DELETION	3	8	
PURGEI	PROGRAM PURGES NSNS OVER 35 DA	3	8	
RANDST	CREATE RANDOM STOW FILE	3	8	
RANDSTR	GENERATE RANDOM STOW REPORT	3	4	
SOAP	DEBLOCK, PRINT ILO DISK FILES	2	0	*
SP13	SORT SOAP WORK FILE	2	0	*
XJ2D	PRINT 1348-1	C	7	

NSC PUGET SOUND LOCAL UNIQUE PROGRAMS

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
DA01	SAE-PRINT 1348-1 DOCUMENTS	M	7	
DA02	CREATE FTE CARDS	M	7	
DA06	CREATE PSNS FTR SHIPPING DOCS	M	P	
DA17	PILFERRABLE ITEM SCAN	A	6	
DA20	UPDATE SUPSHIPS REQN FILE	A	8	*
DA21	UPDATE SUPSHIPS REQN HIST FILE	A	8	*
DA22	EXTRACT SORTED SUPSHIPS RQN RP	A	2	
DA30	SOCIAL SEC DEPT.	A	9	
DA48	CREATE ADD-TYPE TRANS FM PMS	A	8	
DA49	PMS SOAP PREPROCESSOR	A	5	
DA50	SOAP PMS MSTR FILE MAINT	A	8	
DA51	EXTRACT SOAP PMS REPORTS	A	4	
DA52	SELECT SOAP PMS INQUIRIES	A	6	
DA53	LIST DA51 RPT 4 IN SPECIAL SEQ	A	3	
DA99	OBJECT PGM LISTING OF NSCPS	H	7	
DB66	UNKNOWN	?	9	
DB92	PRINT CAROUSEL LABELS	A	7	
DC01	NSC/TRF RMME STAT CARD INTERFA	C	2	
DC09	PMO SEQUENCE PPMS OUTPUT	A	7	
DC18	PMO PRINT NEW MRF LISTING	A	7	
DC22	PMO PRINT SPCC DEMAND DATA	A	6	
DC23	UNKNOWN	?	9	
DC24	PMO AUTODIN NEW REQNS TRANS	A	2	
DC30	PMO PROGRAM	A	9	
DC31	PMO SOAP EDIT/PUNCH	A	5	
DC32	PMO SOAP FINAL	A	9	
DC34	PMO SOAP EDIT CORRECTION	A	5	
DC35	PMO SOAP EDIT LR51	A	5	
DC36	PMO SOAP MERGE LR52	A	3	
DC37	PMO SOAP ISL LR53	A	9	
DC38	PMO SOAP SHORTAGES & EXCESSES	A	4	
DC39	PMO SOAP LIRSH MATCH	A	3	
DC40	FLEET SOAP PROCESS NAVSUP 1109	A	8	
DC42	SOAP CREATE AOA/1114 FM 1109	A	5	
DC50	PERA BUDGET FILE MAINTENANCE	A	8	
DC51	PERA BUDGET FILE REPORTS PRINT	A	D	
DC53	UNKNOWN	?	9	
DC55	PERA CARD/TAPE TO DSK SFOMS	A	2	
DC56	PERA EDIT PROGRAM SFOMS	A	5	
DC57	PERA MASTER UPDATE PROGRAMS	A	8	
DC58	PERA REPORT GENERATOR SFOMS	A	4	
DC59	PERA REPORT PRINTER SFOMS	A	7	
DC60	PERA REPORT PRINTER SFOMS	A	7	
DC61	PERA REPORT PRINTER PUNCH	A	7	
DC62	PERA PRINT PROGRAM UTILITY	A	2	
DC63	PERA KEY OP PRINT PROGRAM	A	7	

NSC PUGET SOUND LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
DC64	PERA WEEKLY GANTT CHART	A	4	
DC65	PERA 50 WEEK GANTT CHART	A	4	
DC66	PERA FIFTY WEEK GANTT PRINT	A	7	
DC67	VENT AND VOID	A	9	
DC68	PERA	A	9	
DC69	PERA	A	9	
DC70	PERA PRELIM REPAIR PROFILE	A	4	
DCEM1	UNKNOWN	?	9	
DCF1	UNKNOWN	?	9	
DD00	RETENTION CYCLE 999 TAPES	S	1	
DD01	TAPES BY PURGE DATES REEL SEQ	S	1	
DD02	PRINTER TEST	S	1	
DD04	SUMMARY AWDS BY GEOGRAPHIC ARE	Q	4	*
DD05	RERUN STATS PRE-EDIT	H	5	
DD06	RERUN LOG SUMMARY	H	4	
DD08	RERUN STATS BY PROGRAM	H	D	
DD10	LIBRARY MAINTENANCE	S	1	
DD11	LIBRARY SORT	S	3	
DD12	LIBRARY MASTER FILE UPDATE	S	8	
DD13	LIBRARY REPORTS	S	4	
DD15	MAGNETIC TAPE INVENTORY	S	D	
DD16	CONVERT RLOGS FOR LIBRARY PROC	S	5	
DD26	REPORT SCHEDULE	H	4	
DD29	PRINT & PUNCH FROM TAPE/CARDS	W	2	
DD40	REVIEW MSIR-FBM APPL RECORDS	B	6	
DD42	MONEY VALUE EXT REPORT	A	6	
DD44	VALUE OF ANNUAL LEAVE DUE	K	D	
DD46	PERSONNEL COSTS	G	4	
DD60	MVO CHECKLIST	N	7	
DD72	EAM MACHINE UTILIZATION	H	4	
DD74	CMC MACHINE UTILIZATION	H	4	
DD75	80/80 LIST & CARDS	N	7	
DD79	GROSS PAY STATISTICS LISTING	K	7	
DD80	NSA-OBJECT CLASS REPORTS	E	4	
DD91	PRINT 632 CARD SUMMARY TOTAL	E	7	
DD97	GENERATE PROVISIONS DECK	D	7	
DD98	UPDATE SUBSISTANCE FILE	A	8	
DD99	SUBSISTANCE CATALOG	A	7	
DE16	STOCK FUND FILE PREPARATION	E	8	
DE17	CIVILIAN EMPL BY APPROPRIATION	G	3	
DE18	INTERDEPARTMENTAL STK FUND TRA	F	4	
DE19	LABOR VERIFICATION LISTING	G	7	
DE21	CIVILIAN LABOR ADJUSTMENTS	G	8	
DE22	NAVCOMPT 2051/2074 SUPPORT LIS	G	7	
DE24	CHECK CONTROL LIST	K	7	
DE25	ADP ROUTING CONTROL LIST	H	7	

NSC PUGET SOUND LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
DE27	PAYROLL PERSONNEL UPDATE	K	8	
DE28	PIINS W/90 DAY LEADTIME	Q	6	
DE30	PREPARE PREPRINT TAPE FILE LAB	U	7	
DE35	1080 SUPPORT LIST COAST GUARD	F	7	
DE36	UPDATE PGM SCHEDULING FILE	H	8	
DE37	EDP SCHEDULE LISTING	H	7	
DE38	PROJECT CONTROL EDIT	H	5	
DE39	PROJECT CONTROL REPORT	H	4	
DE52	PRINT ADDRESS MAILING LABELS	Z	7	
DE83	PRT AND PCH FM CARDS OR TAPE	W	2	
DE84	CMC TAPE TO PCR OR PUNCH	U	1	
DEW0	UNKNOWN	?	9	
DEW1	UNKNOWN	?	9	
DF03	BILLING	F	4	
DF08	UNKNOWN	?	9	
DF30	UNTFP1 COMMITTMENT SCAN	F	6	
DFF2	UNKNOWN	?	9	
DG01	CONSOL NAVCOMPT 2171 REPORTS	G	4	
DG02	MANHOURS BY GAD AND J. O.	G	3	
DG03	CHANGE FREQ IN J.O. REF FILE	G	8	
DG04	SELECT LABOR TABLE RECDS AND P	G	6	
DG05	PLANT PROPERTY UPDATE	G	8	
DG06	PLANT PROPERTY REPORTS	G	4	
DG07	REIMBURSABLE WK ORD FILE EXTR	G	6	
DG08	CREATE ZNV TAPE FOR UGD6	G	2	
DG09	MASTER ADDRESS FILE EXTRACTION	G	8	
DG10	DOC CONTROL FILE LIST BY DOC #	G	3	
DG11	CONSOL ACCT TRANSACT LEDGER	G	7	
DG13	MANHOURS BY GAD/COST/JO/SSAN	G	3	
DG19	SORT LIST LABOR EXCEPTIONS	G	3	
DG22	SUBASE MATL COST MAINTENANCE	G	8	
DG25	SUBASE SBA MASTER UPDATE	G	8	
DG26	SUBASE J.O. LISTING	G	7	
DG27	SUBASE RECORDS FORM UA71N1	G	8	
DG28	SELECT TRF FINANCIAL STAT DATA	G	3	
DG29	REPORT TRF FINANCIAL STAT DATA	G	4	
DG55	EXTRACT NAVCOMPT 2150	G	6	
DG62	UTILITIES COST ANALYSIS UPDATE	G	8	
DG63	TRANS CNTRL MAINT COST UPDATE	G	8	
DG65	CREATE LABOR CARDS FOR NRMC	G	7	
DGM1	UNKNOWN	?	9	
DGW1	UNKNOWN	?	9	
DH01	UPDATE SOLICITATION FILE	Q	8	
DH02	SELECT VENDORS FOR SOLICIT	Q	6	
DH03	PREPARE VENDOR SOLIC LABELS	Q	7	
DH04	PRINT VENDOR SOLIC LABELS	Q	7	

NSC PUGET SOUND LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
DH05	UPDATE LIST HEADING FILE	Q	8	
DH06	BID DOCUMENTS STATS	Q	4	
DH07	AVLBL LEADTIME PSNS REQS	Q	8	*
DH10	PURCHASE INQUIRY	Q	6	
DH11	PURCHASE DAILY SCAN	Q	6	
DH12	UPDATE PURCHASE FILE MSTR REC	Q	8	*
DH13	PURGE PURCHASE MASTER FILE	Q	8	*
DH14	EXTRACT STATS REPORT	Q	4	*
DH15	SORT EXTRACT PRICE HISTORY	Q	3	
DH16	VALIDATE SORT VENDOR RILE	Q	5	
DH17	UPDATE VENDOR FILE	Q	8	
DH18	PRINT BIDDERS LIST	Q	7	
DH19	PRINT WORK IN PROCESS REPORT	Q	7	*
DH20	IMPREST FUND COD PURCHASE RPT	Q	4	*
DH21	COD PURCHASE ORDER LIST	Q	7	*
DH22	UNPRICED ORDERS SCAN	Q	6	*
DH23	MSIR SCAN 0 BALANCE	B	6	
DH24	UNPRICED ORDERS PROGRAM	Q	0	*
DH25	PRODUCTION EFFICIENCY UPDATE	Q	8	*
DH26	AUTODIN-IN OAKLAND	H	1	
DH29	PROCUREMENT LEAD TIME REPORT	Q	4	*
DH30	PURCHASE PROCESS REPORT	Q	4	*
DH31	INTERIM REPLENLISHMENT REPORT	C	4	
DH32	PROCESS INTERIM REPLEN INPUT	C	5	
DH35	DOCUMENT PRINT (DUP)	C	7	
DH36	DOCUMENT PRINT	C	7	
DH41	STRAT OF PURCHASE ACTIONS	Q	3	
DH42	PRINT STRAT REPORT	Q	4	
DH47	FBM DMD MASTER FILE UPDATE	D	8	*
DH48	FBM MSIR UPDATE	D	8	*
DH50	CREATE STORAGE INSPECT CARDS	D	7	
DH51	SUPPLY MANAGEMENT REPORTS	H	4	
DH52	PURCHASE MASTER FILE RECON	Q	8	*
DH53	UH71 PUNCH PROGRAM	D	7	
DH54	PURCHASE FOLDER REQNS SCAN	Q	6	*
DH56	ALLOWANCE SHORTAGE	A	6	
DH57	AMMENDED LT STAT REPORT	A	4	
DH58	STOCK DUE FILE STATUS	A	6	
DH60	UNKNOWN	?	9	
DH61	NIC-NIS DMD REPORT FOR CAB COG	H	4	
DH62	UTILITIES COST ANALYSIS UPDATE	G	8	
DH63	TRANS/CONTROLLED MAINT	G	8	
DH64	PUNCH ARSS BIN CARDS NEW ITEMS	N	7	
DH65	CREATE LABOR CARDS FOR BUMED	G	7	
DH66	MSIR MONEY VALUE STATS	A	4	
DH67	REFORMAT SOA BIN CARDS	N	5	

NSC PUGET SOUND LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
DH68	QTRLY LIST OF CONDITION CODES	H	7	
DH69	FUEL EQUIPMENT PREVENT MAINT	H	4	
DH72	ARSS TRANSRECON EXTRACT	N	6	
DH73	SUBASE RSS CATALOG	N	7	
DH74	TRIDENT PRESCREENING	A	5	
DH75	MEDICAL/DENTAL CARD TO TAPE	H	2	
DH76	UPDATE MEDICAL MSTR DUE TREAT	H	8	
DH79	SUBASE RSSR TOP 250	N	4	
DH80	MTIS PROCESSOR (PRE-INTER)	B	5	
DH81	SITE CODE UPDATE	H	8	
DH82	TRF/NSC DMD REPORTING	D	4	
DH83	DETERMINE TOP 50 CUSTOMERS	H	4	
DH84	PRINT TOP 50 CUSTOMERS	H	7	
DH85	CREATE MSIR UPDATE CARDS	A	7	
DH86	UNKNOWN	?	9	
DH87	POPULAR SCAN (PIMS)	H	6	
DH88	POPULAR ITEM MANAGEMENT (PIMS)	H	4	
DH89	CREATE PIMS UB54 INQUIRIES	H	5	
DH90	SELECT EPOS RECORDS FM TRANSRE	N	6	
DH91	NRFI REPAIRABLE MGMT	H	4	
DH92	NSO INVESTMENT REPORT	H	4	
DH93	SUPPLY SUPPORT STRAT	H	4	
DH94	REMOVE VENDORS FOR SOLICITATIO	Q	8	
DH95	ARSS NSO MGMT REPORT	N	4	
DH96	BN-RECON & DMD LOAD	H	6	
DH97	NIS ANALYSIS REPORT	H	4	
DH98	DMD MASTER FILE UPDATE	H	8	
DH99	BUILD SOLICITATION FILE	Q	8	
DI01	UNKNOWN	?	9	
DI02	UNKNOWN	?	9	
DI03	UNKNOWN	?	9	
DI04	UNKNOWN	?	9	
DI05	STRATIFICATION OF INVENTORIES	I	5	
DI06	DUE VALIDATION 1H PULL/DLR	I	8	
DI07	1H COG SUPPLE REPLEN REQS	I	8	
DI08	RANDOM PROCESSING NIIN	D	6	
DJ19	REFERRAL COMPLETION PHASE 1	C	0	*
DJ22	REFERRAL COMPLETION - PHASE II	C	0	*
DJ24	PRICING NOT CARRIED DEMANDS	C	8	
DJ69	UNKNOWN	?	9	
DK01	UNKNOWN	?	9	
DK10	CIVILIAN PAYROLL NAME/SSN LIST	K	7	
DK11	PRODUCE TIME/LABOR CARDS	K	7	
DK12	EMPLOYEE GROSS EARNINGS	K	4	
DK45	GROUP ACCT DEPT WAGE LISTING	K	7	
DKC3	UNKNOWN	?	9	

NSC PUGET SOUND LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
DL03	JUMPS PDQ LISTING	L	7	
DL04	LIST OF EMPLOYEES BY UIC	K	7	
DL05	ONBOARD LOCATER LIST	K	7	
DM01	PROCESS SSBN EXCESSES VIA NSC	M	0	
DM02	PROOF OF DELIV FOR DISP PROP	M	7	
DM03	OVERAGE DISPOSAL DIRECTIVES	M	7	
DMM1	UNKNOWN	?	9	
DN01	SUBASE 1109 PROECSSING -CRASP	N	0	
DN35	SERVMART ISSUES SUMMARY	N	4	
DN80	REFERRAL QUEUE DUMP	N	2	
DOUG	UNKNOWN	?	9	
DP01	PSNS MRIL REQ SCREENING	R	3	
DPS1	UNKNOWN	?	9	
DPS2	UNKNOWN	?	9	
DPS3	UNKNOWN	?	9	
DQ01	ASPIRE PRE-EDIT	Q	5	*
DQ02	PURCHASE MASTER UPDATE	Q	8	*
DQ10	PRICE HISTORY SCAN PSNS REQNS	Q	6	*
DQ11	COMPETITION PERF FOR CUST ACT	1	4	*
DQ17	CRT UTILIZATION/STATS ANALYSIS	Q	2	*
DQ99	UNKNOWN	?	9	
DQUE	DJ19/DH31 QUEUE RECOVERY AID	C	2	
DRB1	UNKNOWN	?	9	
DRB2	UNKNOWN	?	9	
DRB9	UNKNOWN	?	9	
DS01	ON-LINE PUNCH STACKER TEST	S	1	
DS02	PASSWORD LABEL LISTING CREATIN	S	1	
DS03	MAINTAIN AUTHORIZED PROG LIST	S	1	
DS04	CONVERT PROG INDX CRDS TO DS03	S	5	
DS05	RLOG ABNORMAL TRMNATION STATS	S	1	
DS06	RLOG	S	9	
DS07	RLOG	S	9	
DS99	RLOG	S	9	
DTB1	UNKNOWN	?	9	
DTM1	UNKNOWN	?	9	
DU01	UNKNOWN	?	9	
DU02	UNKNOWN	?	9	
DU03	UNKNOWN	?	9	
DU10	NAVSUP EDPE SYSTEM INVENTORY	U	4	
DU11	MAPS TAPE TO TAPE COPY	U	1	
DV01	AUTODIN-CONVERSION INPUT	V	1	*
DV02	AUTODIN-CONVERSION-FMSO	V	1	
DV04	PSUEDO BUILD	V	1	
DV05	PCR BUILD	V	1	
DV08	AUTODIN CONVERSION OUTPUT	V	1	*
DV09	UNKNOWN	?	9	

NSC PUGET SOUND LOCAL UNIQUE PROGRAMS (CONT'D)

PGM NUM	PROGRAM TITLE	APPL	FUNC	SUB
DV20	MERGE CARDS & TAPE INPUT	V	1	
DV25	PRINT NIXDORF PBTS	V	7	
DX03	UNKNOWN	?	9	
DX04	UNKNOWN	?	9	
DX06	UNKNOWN	?	9	
DX07	UNKNOWN	?	9	
DX12	UNKNOWN	?	9	
DX21	UNKNOWN	?	9	
DX22	UNKNOWN	?	9	
DX26	EFFECTIVENESS REPORT	H	4	
DX27	SUPPLY EFFECTIVENESS	H	4	
DX28	SUPPLY EFFECT TAPE EXTRACT	H	3	
DX29	SPCC TAPE EXTRACT SUP EFFECT	H	6	
MAR1	BAE VALIDATION	?	5	
MAR2	MRBF EXTRACT	?	3	
MAR3	TAG SORT	?	3	
MAR4	RECONCILIATION MATCH	?	3	
MB54	SUBSTARS INQ FOR DLOAD & DELET	?	8	
MB58	PPMS VERSION OF SB58 BY 944	?	9	
MCA1	PPMMS REFIT ANALYSIS REPORT	?	4	
MCA2	TRIDENT REFIT EFFECTIVENES RPT	?	4	
MCA4	RAF SELECTIVE ITEM REVIEW	?	6	
MCA5	RAF SELECTIVE ITEM REVIEW OUTP	?	7	
MCA6	RAF SELECTION BY UIC/CODE	?	6	
MCA7	RBF/RAF PROB SITUATION SELECT	?	6	
MCA8	TRIDENT EFF REPORT	?	4	
MCB1	MULTPL OUTSTNDG DOCS EXTRACT	?	6	
MCB2	MULTPL OUTSTNDG DOCS EVAL O/P	?	7	
MCB5	FAD1/FAD2/FAD3 PERCENT COMPARE	?	4	

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